

Centenary



Centenary College of Louisiana, Shreveport, Louisiana 71104

A Message From the President

Centenary College has a distinguished history: since its founding in 1825 this, the oldest college west of the Mississippi, has established a proud reputation for excellence. And that the faculty and administrators have pledged themselves to "Quality—Touchstone of the Eighties" evidences its continued leadership role in higher education.

But this is also a caring community, and academic quality is part of a concern for each individual student—for the quality of life of the whole person. Our low ratio of students to faculty members obviously facilitates this: there is time for personal relationships. We care.

Certainly, too, Centenary's life as a Christian college enables this. We are a Methodist College and our links with the Church are healthy and close; at the same time we enjoy the fellowship of students and faculty of all faiths.

I invite you to visit us. This catalogue will give you a fair idea of our life here; but nothing compares with seeing the place, and meeting the people. I'd like to welcome you.

Sincerely,

Don Webb





Centenary College of Louisiana

Shreveport, Louisiana 71104

1979-1981 Undergraduate Catalogue



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I. Centenary College

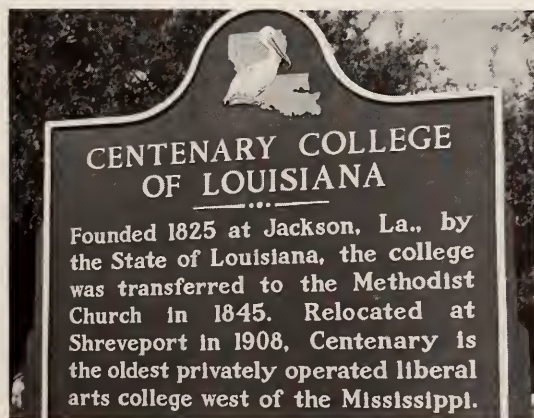
A liberal arts college exists to enhance the quality of life for its students and, through them, for society. The liberal arts, by tradition, free the mind from dogma and intellectual conformity in order that students may realize their fullest potential as individuals.

Centenary College is a liberal arts institution which provides superior education for students capable of intellectual leadership and for those who can benefit from study in an academic community where excellence is encouraged and individuality is respected. Such a community is fostered by the residential nature of the campus, an important factor in the development of the Centenary educational experience.

Centenary seeks to provide its students with a basic understanding of human affairs and problems; to motivate them to think clearly, honestly, constructively, and to communicate effectively, and to introduce them to the arts and sciences, that they may enjoy the best of the heritage of civilization.

Centenary places emphasis on preparation for various professions, both those for which a student can be prepared during his undergraduate career and those which require further graduate and professional study.

Centenary College, as an institution of The United Methodist Church, believes that knowledge and religious faith have to be linked if one is to enhance the meaning of the other. The College strives to challenge its students to serve society by exemplifying the highest Christian ethic. Our educational philosophy is thus supported by and founded on a Judaeo-Christian heritage which emphasizes the wholeness of human life, the interrelatedness of knowledge, and the dignity of man.



Old campus at Jackson, Louisiana

Established in 1825 as the College of Louisiana, in Jackson, the school merged in 1848 with Centenary College, which had been founded six years earlier by The Methodist Church in Clinton, Mississippi. In 1908, accepting a generous offer of land and support from the Atkins family and a group of friends, the College moved to Shreveport.

Centenary College is fully accredited by the recognized regional and national agencies and is approved by the University Senate of The United Methodist Church. Centenary is a member of the Southern Association of Colleges and Schools.¹

With a student/professor ratio of twelve to one, the classes at Centenary range in size from thirty students in a popular introductory level social science course to six to ten students in a junior level seminar.

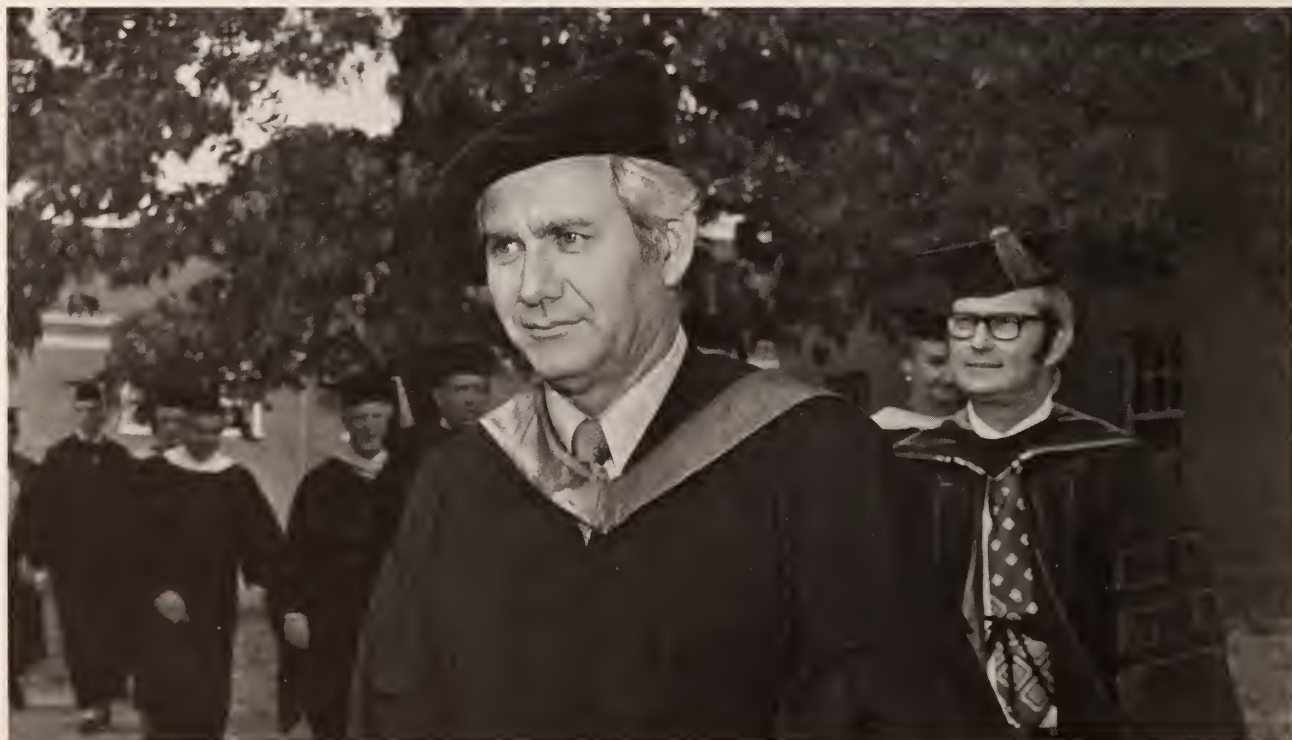
¹Also, the College maintains membership in the American Association of Colleges for Teacher Education, the American Association of Collegiate Registrars and Admissions Officers, the American Association of University Women, the Conference of Louisiana Colleges and Universities, the Council for Advancement and Support of Education, the Institute of International Education, the Louisiana Academy of Science, the National Association of Schools and Colleges of The United Methodist Church, the National Association of Schools of Music, and the Southern College University Union, Inc. The undergraduate program in chemistry is approved by the American Chemical Society.

Centenary College is especially and justly proud of its faculty, many of whom are nationally and internationally known authorities in their fields of study. Ninety-five percent of the senior faculty hold terminal degrees. Ten members of the faculty and staff have earned the coveted key of Phi Beta Kappa. Thirteen have the honor of membership in Omicron Delta Kappa.

Within the past decade Centenary professors have been awarded a significant number of research fellowships and study grants by the American Council of Learned Societies, the American Philosophical Society, the Henry E. Huntington Library, and the National Endowment for the Humanities. (There have been ten NEH awards to Centenary professors.) During that same period, Centenary faculty members have also been honored as Danforth Associates, Fulbright lecturers, national officers in professional associations, and participants in the Harvard Summer School Visiting Faculty Program.



Dean Dorothy Gwin is the first woman dean in the history of the 154-year-old college.



Dr. Webb Pomeroy and Dr. Lee Morgan lead a faculty procession.

Shreveport is located on the west bank of the Red River in Northwest Louisiana. The metropolitan area has a population in excess of 300,000 and forms the geographical, cultural, and economic center of the Ark-La-Tex.

The climate of the area features pleasant spring and fall temperatures, consistently warm summers and mild winters, with cold periods of short duration. The average annual temperature is 66° Fahrenheit. Outdoor sports and recreational facilities are enjoyed throughout the year.

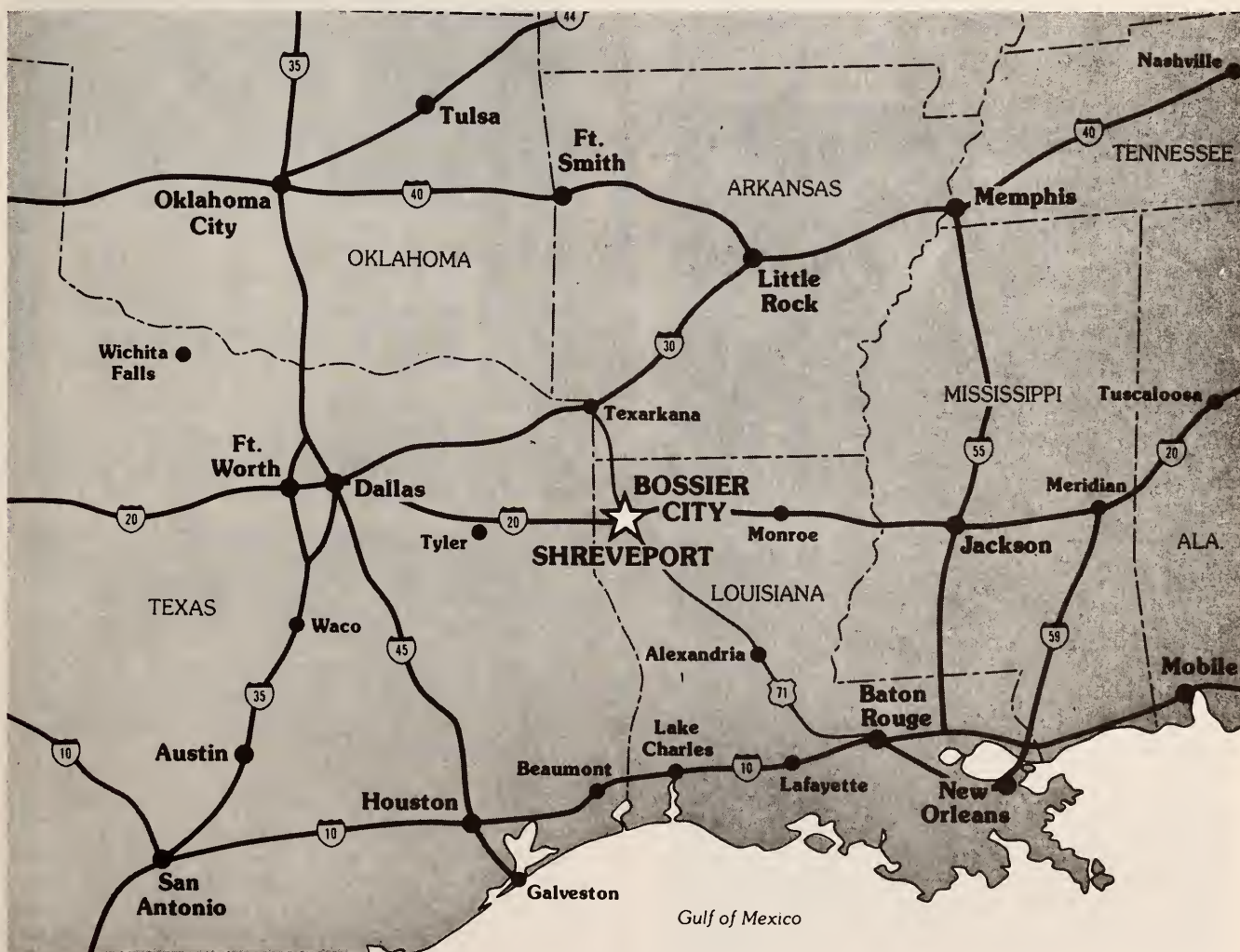
The Shreveport area is a major producer of oil and natural gas. Another important part of the local economy is Barksdale Air Force Base, the headquar-

ters of the Eighth Air Force and one of the largest bases of the Strategic Air Command.

The city has many fine medical and health care facilities, including a state medical center, school of medicine, and seven general hospitals.

Centenary College and members of the Shreveport community enjoy joint participation in cultural events. Opportunities in theater, musical events, opera, dance, and the visual arts are offered on and off campus.

The sixty-five acre campus of Centenary College, two miles south of downtown Shreveport, is widely known for its natural beauty and stately Georgian architecture.



Shreveport is the geographical center of the Ark-La-Tex.

Campus Buildings and Gardens

Brown Memorial Chapel. The College chapel was erected in 1955, through the generosity of Paul M. Brown, Chairman Emeritus of the Board of Trustees, and Colonel S. Perry Brown, a life member of the Board, in honor of their parents.

Bynum Memorial Commons. The cafeteria, built in 1956, was named in 1974 to honor Robert Jesse Bynum, New Orleans businessman and benefactor of the College.

The Pierce Cline Residence Hall for Men. This dormitory was named for the twenty-ninth President of Centenary and opened in 1963 to house 136 male students.

Crumley Memorial Gardens. These beautifully landscaped gardens, where azaleas bloom each spring, were a 1954 gift of Mr. and Mrs. Howard Crumley in honor of their son, David Howard Crumley.

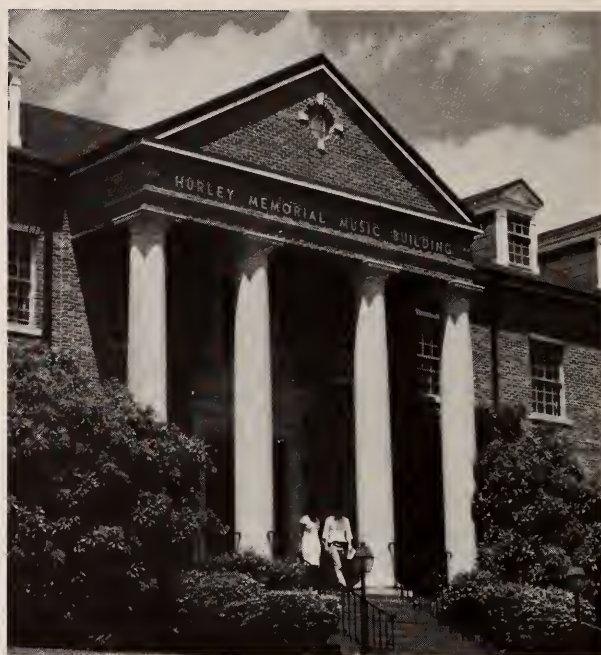
Frost Memorial Fountain and Rose Garden. This lively garden, in front of the Student Union Building, was a gift (1954) of Edwin Frost Whited in memory of his grandfather, Edwin Ambrose Frost.

The Gold Dome. Completed in 1971, this excellent physical education facility with the geodesic dome serves as the home basketball court and gymnastics arena for the Centenary Gentlemen and Ladies.

Hamilton Hall. The administration building, also completed in 1971, was largely the result of gifts by Mr. and Mrs. David Philip Hamilton. Mrs. Hamilton was a trustee of the College and a member of the first Centenary class to graduate in Shreveport.

The John A. Hardin Memorial Residence Hall for Women. Opened in 1958 for 68 women residents, its name honors the former Dean and Professor of Mathematics at Centenary.

The W.A. Haynes Memorial Gymnasium. Presently used for intramurals, physical education courses, and other physical activities, the old gymnasium was built in 1936; its name honors a Shreveport oilman who was a strong supporter of Centenary's athletic programs in the 1920's and 30's.



Hurley Music Building

The Ed S. Hurley Memorial Music Building. This facility was a 1964 gift of Mrs. Hurley in honor of her husband. Mrs. Hurley is a life member of the Board of Trustees.

Jackson Hall. The present structure was erected in 1941 on the site of the first Jackson Hall (1908), both named for the original location of the College.

The T.L. James Residence Hall for Women. An annex was added in 1960 to this 1957 residence hall, bringing its capacity to 124 females. This dormitory was a gift of the T.L. James family of Ruston, Louisiana.

The Marjorie Lyons Playhouse. One of the most beautiful and well-equipped college theaters in the country, this building is a 1958 gift of trustee Charles H. Lyons and his family.

The John F. Magale Memorial Library. This, the academic heart of the College, was opened in 1963 and presently has approximately 130,000 volumes and 1,000 paintings and objects d'art. In 1974 it was named for Mr. Magale, a Shreveport oilman and major contributor to the College during his lifetime.

The Meadows Museum of Art. In 1976, through a gift of the late Algur H. Meadows, an alumnus, this building, which housed administrative offices from 1925-1971, was transformed into a lovely art center; on permanent display in it is the Jean Despujols Collection of Indochinese Art.

The Joe J. Mickle Hall of Science. Joe J. Mickle was President of Centenary from 1945-1964. The science building was completed in 1950 and named for him in 1964. Also located in this facility are the Computer Center, the Barrow physics laboratories, and the rehearsal hall of the Centenary College Choir. W. Russell Barrow furnished the laboratories in honor of his mother, Addie Johnson Barrow. Trustee Mrs. George M. Anderson furnished the rehearsal hall. In addition, Mr. and Mrs. George Wray were major contributors to the establishment of the building.

The Randall T. Moore Student Center. Commonly called the SUB (Student Union Building), the student center was built in two stages: the first, in 1938; the second, in 1958 with the generous support of the benefactor whose name it bears.

The Rotary Residence Hall for Men. Built by the Rotary Club of Shreveport in 1926, the hall was remodeled in 1954, and again in 1965. It now houses 136 male residents.

The George S. Sexton Memorial Residence Hall for Women. Housing 189 females, this dormitory was built in 1971 and named for the man who served as President of Centenary from 1922-1932.

The Dean R.E. Smith Building. The Louisiana Conference of The United Methodist Church funded this building in 1961 and named it for Dean R.E. Smith, a Centenary Professor of Biblical Literature for twenty-nine years. It contains the Nellie P. Kilpatrick auditorium, named for the distinguished lady who was named Honored Trustee by act of the Board of Trustees.



Brown Memorial Chapel



II. Student Life on Campus

Students from all sections of the United States and several foreign countries compose the student body of Centenary College. Approximately 75 percent come from the Ark-La-Tex. Most reside on campus.

Residence Hall Living

The College makes every effort to create an environment for learning that is conducive equally to personal growth and to complete involvement in campus living.

All full-time students, except married students and those living with their families, are required to live on campus and to purchase meals in Bynum Commons. Other exceptions to this requirement are listed in the Centenary College Student Handbook and must be approved by the Dean of Students.

The five residence halls, three for women and two for men, are all air-conditioned. Rooms are assigned on the basis of applications made each semester. Whenever possible, the student is given a choice of room and residence hall. There is a resident director in each hall, and student resident assistants provide supervised peer counseling and leadership direction.

Meals

At times convenient to class schedules, Bynum Commons offers hot meals daily and, with the approval of a physician, a special diet.

Light meals and snacks may be purchased at the snack bar in the Student Union Building.



Student Union Building

The SUB is at the center of the campus. It houses the snack bar, the bookstore, the post office, faculty lounge, offices for student organizations and publications, a billiard and ping-pong room, a TV lounge, and the office of the Director of Student Activities.

Student Government

Centenary traditionally has supported and encouraged student government, and students now serve as full voting members on most committees of the College. The College has delegated considerable authority to the Student Senate, the Honor Court, and the Judicial Board. The officers and members of the Senate are the elected representatives of the entire student body.

The Honor System

The Honor System is binding upon all students and is applicable to all academic work. Students administer the Honor Code through an Honor Court of five justices chosen by them from nominations of the faculty and student body.

The Honor System is based upon the premise that honor is fostered, not forced, and that it can be fostered only through the willing and earnest efforts of both faculty and students.



Health Care

All full-time students are covered by an **accident** insurance policy. Coverage for medical expense for illness, however, must be purchased by the individual. Special arrangements have been made for students to be seen at a nearby clinic; costs are paid by the individual student.

Counseling

The Dean of Students and staff counsel with students on personal, social, and residence hall concerns as well as on matters relating to the Greek organizations. Also available for counseling of this nature are the Chaplain, the Director of Student Activities, and professors in the department of psychology.

Independent of the College, but closely associated with it and supported by it, is Open Ear, a telephone crisis-intervention service.

Placement

The Department of Psychology offers testing services for help in clarifying special needs and vocational interests.

The Director of Placement assists students wishing to explore direct entry into a career upon graduation and to acquire supplementary information on preprofessional preparation.

Students who desire part-time employment on or off campus should see the Director of Placement or the Director of Financial aid.

The Department of Education has a separate office for the placement of teachers.



Religious Services and Organizations

Brown Chapel offers many opportunities for worship and private meditation. The Chaplain coordinates religious services and programs. Other special programs are sponsored by the School of Church Careers.

Centenary students are regular participants in churches and synagogues throughout the Shreveport area.

The Methodist Student Movement is the organized ministry of the United Methodist Church to the campus. At Centenary MSM sponsors regular weekly meetings, films, lectures, discussion groups, and spring and fall retreats which are dedicated to Christian fellowship and to questions concerning the relationship of religious faith to higher learning in the modern college classroom. Programs of a similar nature are also provided by the Canterbury Club (Episcopal), the Baptist Student Union, and the Newman Club (Roman Catholic).

Music

The Hurley School of Music provides opportunities for students to participate in campus music organizations. Instrumentalists may audition for the College Band, the Stage Band, ensembles, and the Shreveport Symphony. Vocalists may find opportunities with the internationally known Centenary College Choir, the Chamber Singers, and the Opera Theater.

Theater

The versatile Marjorie Lyons Playhouse makes it possible for Centenary to present imaginative and artistic drama and to provide diversified and entertaining dance programs. The Rivertown Players is the theatrical organization for students.

Special Events

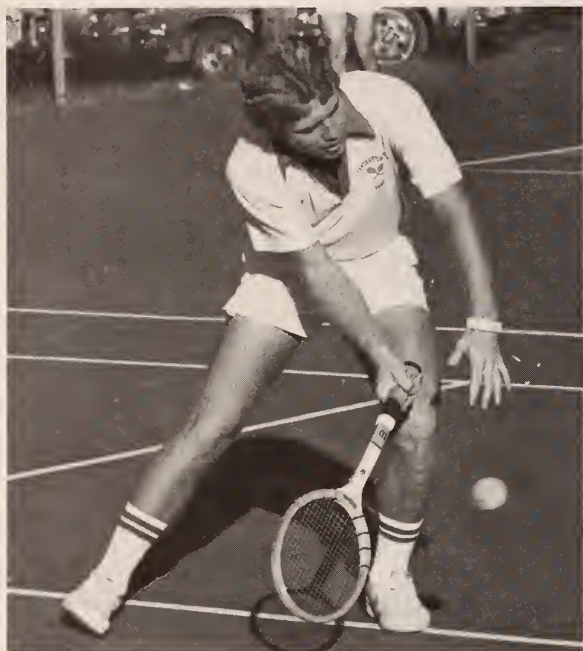
The Senate-sponsored Forum series brings to the campus renowned educators, political leaders, and other public figures. Also, students enjoy guest lecturers and entertainers representing all the arts. All-campus dances, professional entertainment, the Founders Day picnic, all-campus revues, and all-campus weekends involve the entire community of the College.

Each year through the Willson Lecture Series outstanding lecturers in theology, philosophy, and education are brought to the Campus. These guest lecturers are provided through the generosity of Dr. and Mrs. J.M. Willson of Floydada, Texas.

The Media

Student talent and opinion find expression in the **Conglomerate**, the weekly campus newspaper, and in the **Yoncopin**, the yearbook. Written and edited by students, the **Conglomerate** and the **Yoncopin** are financed by student fees and advertising.

KSCL-FM is the student-managed-and-operated ten-watt radio station broadcasting up to 140 hours per week. The station offers day-part, open format, experimental, educational, and public service programming to the South Shreveport community. Also financed by student fees, KSCL-FM meets the requirements and regulations of the Federal Communications Commission governing low-power stations.



Physical Fitness and Athletics

Centenary provides a broad, general program of physical fitness. Physical activities courses give instruction in individual and team sports. Men and women students are encouraged to participate in both intramural and intercollegiate competition.

In intercollegiate competition for men, the varsity basketball, baseball, cross country, golf, and tennis teams play in Division I of the National Collegiate Athletic Association. Centenary is a member of the Trans-America Athletic Conference.

In intercollegiate competition for women, Centenary is a member of Division II of the Association for Intercollegiate Athletics for Women. Its gymnastics team won the national AIAW title in 1978, and again in 1979. Two of the team members were selected to participate in the World Games. The tennis team has won the state AIAW small college championship in 1979 and has competed in regional and national meets.

Service and Departmental Organizations

There are a number of clubs and organizations through which students may become more directly involved in campus life, including the Baptist Student Union, the Biology Club, the Key Club, the Literary Society, the Math Club, the Methodist Student Movement, the Physics Club, the Pre-Law Club, and the Psychology Club. There are also many honorary organizations on campus; these are described in the Academic Section of the catalogue.

Independent of the College, but closely associated with it and supported by it, is a telephone crisis-intervention service called Open Ear. Students participate in several ways, one of the most interesting of which is as actual telephone counselors for the service. Volunteers are carefully trained by professional counselors.



Social Fraternities and Sororities

The Greek world at Centenary is composed of four national fraternities and two national sororities. The fraternities are Kappa Alpha, Kappa Sigma, Tau Kappa Epsilon, and Theta Chi; the sororities are Chi Omega and Zeta Tau Alpha. A new sorority, Zeta Phi Beta, has been granted a first year of probationary status for 1979-80. Fall Rush initiates a full year of Greek activities coordinated by the Inter-Fraternity Council and the Panhellenic Council.



The Alumni Association

The Centenary College Alumni Association is the organization through which each student maintains a lifetime of communication with fellow students and faculty. The Alumni Association schedules a number of special programs and events, such as Homecoming and Alumni Weekend.



III. Admissions

Centenary College offers admission without regard to race, sex, handicap, or religious commitment. Students in college preparatory programs of accredited secondary schools, students desiring to transfer from accredited colleges and universities, and students presenting the General Education Degree (GED) are eligible to apply for admission.



UNDERGRADUATE APPLICATION REQUIREMENTS

Freshmen

Admission is based upon academic achievement, scores on the standard college entrance examinations, and personal qualities as demonstrated by information given in the application.

The applicant who is a high school senior must, by the time of enrollment, be a graduate of an accredited secondary school and present 15 units of academic work. Of these 15 units three must be in English, two in history or other social sciences, two in mathematics (one in algebra and one in geometry, or two in algebra, are recommended), and one in the natural sciences. An additional unit of English and two units of a foreign language are strongly recommended.

To be considered for admission, the applicant must submit: (1) a completed application for admission form obtained from the admissions office; (2) a twenty dollar (\$20.00) nonrefundable application

fee, and (3) official scores from either the American College Testing program (ACT) or the Scholastic Aptitude Test (SAT).

Upon receipt of the required items, the application is reviewed by the Director of Admissions and the Subcommittee on Admissions. Normally, the applicant is notified in writing within one week of the admissions decision.

The minimum requirement for admission for students entering college for the first time is a "C" average in all academic subjects, or a composite score on the ACT or the SAT which would place the student among the upper one-half of high school seniors taking the test nationally. The applicant who is unable to meet this requirement but who has a strong desire to attend Centenary should contact the Office of Admissions to arrange a personal interview.

The applicant who has been offered admission is required to guarantee the intention to register by payment of an advance tuition deposit of fifty dollars (\$50.00). This deposit is applicable toward tuition for the first semester and remains refundable until June 1, December 1, and May 1 preceding a fall, spring, or summer enrollment respectively. Refunds must be requested in writing on or before these respective dates.

An additional fifty dollar (\$50.00) room deposit is required of each student planning to live on campus. The room deposit is refundable until June 1, December 1, and May 1 preceding a fall, spring, or summer enrollment respectively. After enrollment, the room deposit remains in the student's account as a warranty against damages to college property. If no damages are assessed, the room deposit is refunded when the student leaves the College, either by withdrawal or upon graduation. The refund must be requested in writing.

All applicants are considered as provisional students until their files are complete, including, in the case of transfer students, receipt of transcripts or records of all study pursued elsewhere. Provisional students may not receive grades or register for additional work until their files are complete.

Transfers

Procedures for application for admission as a transfer from another four-year institution or from a junior college are the same as those stated above. Official transcripts of all college work undertaken prior to transfer must be submitted. Evaluation of transferred study will not be made until all transcripts or records have been submitted. No more than 64 hours

may be transferred from a junior college. Normally, high school transcripts and test scores are not required of transfer applicants who have earned more than 27 semester hours or their equivalent.

If the student is enrolled at another institution at the time of application to Centenary, admission, if offered, must be regarded as provisional until a final transcript has been received. To be acceptable as a transfer, a student must have achieved a cumulative average of at least 2.0 (C) in all college work previously attempted. Students who do not meet this requirement are occasionally admitted on probation and with the stipulation that they may register for no more than 13 semester hours while on probation.

Credit transferred from other institutions is regarded as provisional, pending the successful completion of work at Centenary. Credit is transferred only for work in which a grade of "C" or better (or a "P") has been earned and only for courses which have been approved by the faculty for offering at Centenary, or the reasonable equivalents thereof. Grades from other institutions are not transferred, and cumulative averages are calculated only on work done at Centenary, except for the calculation of graduation honors. A final evaluation of credit earned at other institutions will be made only after the student has been admitted and has paid the necessary fees and deposits.

International Students

Centenary welcomes the applications of students from other countries. Separate application forms and brochures describing the Centenary programs for international students are available upon request.

Transient Study

Students enrolled in other colleges may take courses at Centenary in any semester provided they are in good standing at the colleges where they are enrolled as regular students. A formal application and twenty dollar (\$20.00) application fee are required, along with a letter of good standing from the Dean or Registrar of the other college.



SPECIAL ADMISSIONS

Additional Requirements in Music

Entering students are given auditions and placement tests in music theory and piano (for non-keyboard majors). For unconditional acceptance as a music major, a student should be able to perform an entrance audition in the major applied area, meeting standards set by the School of Music. Placement tests are administered during the freshmen orientation each fall, and prior to registration for the second semester. Entering freshmen should consult early with the Dean of the School of Music concerning qualifications, auditions, and tests.

Credit in applied music for students transferring from other colleges will be determined by an audition before the music faculty and by progress made during the first semester at Centenary. Also, transfer students should expect to take examinations in music history to determine whether equivalent standards have been met.

Early Admission

Gifted students completing their junior year in high school may apply to the College for admission as full-time students. Students entering under the early admission program do not receive their high school diplomas from Centenary, but begin college level work earlier than normal.

The requirements for early admission are stringent: three units of English, three of mathematics, two of natural science, and two of social science; the personal recommendation of the high school principal, guidance counselor, and parents, all in writing; junior year ACT or SAT scores showing a high degree of aptitude and verbal skills (a 26 ACT composite or 1150 SAT composite); a three-year high school record of outstanding achievement (3.5 or above in college preparatory subjects), and a personal interview with the Subcommittee on Admissions, giving evidence of maturity and responsibility.

Concurrent Enrollment

Outstanding seniors who wish to take courses at Centenary while continuing work toward the high school diploma may apply for concurrent enrollment. The standards for admission to this program are the same as for early admission. High school credit for work done at Centenary may be granted only with the approval of the high school.

Juniors in high school who request permission to take courses in summer school should submit an application to the Office of Admissions accompanied by a letter from one of their high school teachers. These materials will be examined by the Subcommittee on Admissions.

Advanced Placement

Centenary participates in the Advanced Placement program of the College Entrance Examination Board. Subject to the approval of the departments concerned, students who score, three, four, or five on the Advanced Placement examinations will be considered for advanced placement or advanced standing, that is, college credit for work done in secondary school.

College Level Examination Program (CLEP)

Centenary College maintains the following policies regarding the College Level Examination Program:

A. General Examinations

1. A student may be awarded up to 24 semester hours of credit through the CLEP-GE by scoring at or above the 50th percentile (combined sophomore national norm for male and female). The distribution is:
 - a. English elective 3 semester hours
(Does not fulfill distributive requirements.)
 - b. Natural sciences 6 semester hours
 - c. Mathematics elective 3 semester hours
 - d. Fine Arts elective 3 semester hours
 - e. Literature elective 3 semester hours
 - f. Social Sciences elective 3 semester hours
 - g. History elective 3 semester hours

Awarding of this credit will be done automatically by the Registrar and is contingent upon the student's successfully completing 30 hours of credit at Centenary College. CLEP credit will not be awarded in any area in which the student has earned academic credit accepted by Centenary. The CLEP-GE may not be repeated for credit.

B. Subject Examinations

1. Credit will be awarded to students who score at or above the 50th percentile on Subject Examinations approved by the department appropriate to the examination.
2. Specific course credit (course title and hours credit) will be awarded by the Registrar after consultation with the appropriate departmental chairman.

Credit from all forms of non-traditional work—CLEP, correspondence or extension courses, the Defense Association for Non-traditional Educational Services of the armed forces, Advanced Placement, departmental proficiency examinations, military service experience and training, and all other—may not exceed 40 hours, no more than 24 of which may be from any one of the categories listed above.

A separate catalogue is available for persons interested in applying for graduate study in business and education.

FOR FURTHER INFORMATION

Call the Office of Admissions at 318/869-5131 or write to:

Director of Admissions
Centenary College
2911 Centenary Boulevard
Shreveport, Louisiana 71104



Randle T. Moore Student Union Building



IV. Expenses and Financial Aid

Centenary College is a non-profit institution. The tuition, fees and other charges paid by the student cover less than half the actual cost of the educational opportunity. The remainder of this cost is borne by income from endowments and from the generosity of friends of the College and of The United Methodist Church. In this way, the cost to the student is kept at the lowest possible amount consistent with adequate facilities and excellent instruction. An excellent program of financial aid is available to worthy and needy students.

Basic Expenses for Fall And Spring Semesters (1979-80)

These expenses total approximately \$2200.00 per semester (tuition, fees, room, board, and books). Personal expenses are additional.

Tuition:\$1100.00 per semester

Student Fee:\$60.00 per semester
(includes fees for accident insurance, newspaper, yearbook, and radio station)

Surcharge for the School of Music:\$75.00
per semester

Room: Double: \$320.00 per semester
Single: \$450.00 per semester

All rooms are equipped with private telephones. The charge for local service is included in the room rate.

Board:\$440.00 per semester

The tuition and student fees apply to all registration in the normal full-time range of 12 to 18 hours. Any registration for less or more than these limits is charged the tuition rate of \$95.00 per semester hour. This rate also applies to students in the evening classes offered by the College.

This rate also applies to students in the evening classes offered by the College. Students taking fewer than 12 hours will pay a student fee of \$15.00.

Expenses for the Interim (January, 1980)

Tuition (part-time and transients):\$110.00
per course

Room and Board: Double: \$145.00
Single: \$165.00



Students not enrolled for classes during Interim but who wish to stay on campus must secure permission from the Dean of Students. They are required to pay the room and board fee and are subject to all campus regulations. When courses, offered at locations other than on the Shreveport campus involve additional costs for tuition, room, and board, the College may bill the student for such additional amounts when the student registers for the course. In some cases the student may be required to pay charges directly to other parties.

Normally, financial aid will be applicable only to the Interim programs offered on the Shreveport campus. Requests for exceptions must be made in writing to the Director of Financial Aid.

Expenses for the Summer Session (1979)

Tuition:\$47.50 per semester hour

Student Fee:\$15.00

Surcharge for the School of Music\$75.00

Room: Double: \$140.00
Single: \$180.00

Board:\$225.00

The above room and board charges are for the full eight-week session. Charges for a four-week session are one-half of the amounts stated.

Normally, financial aid is not available for the summer session.

Special Fees

Other special, and generally non-recurring fees are:

Application fee (non-refundable)	\$ 20.00
Orientation fee (non-refundable)	25.00
Change in registration (per change)	10.00
Graduation fee	25.00
Identification card replacement	5.00
Late registration fee	25.00
Parking fee for day students (yearly)	10.00
Room deposit and warranty (refundable, subject to damage charges)	50.00
Change of residence hall room (after the deadline date to add courses)	10.00
Student teaching fee	125.00
¹ Transcript fee (first copy free)	2.00

A laboratory fee of \$15.00 per semester is charged for each science course requiring use of a laboratory. This fee does not cover charges for breakage.

A nominal charge may be levied for off-campus courses in Physical Education such as bowling and golf. These charges will be paid by the student, directly to the off-campus parties levying the charge.

The tuition surcharge of \$75.00 per semester for students in the School of Music curricula covers all applied music and instrumental rental fees. Non-music majors and part-time students who wish to register for applied music courses will pay an additional fee of \$75.00 for a one-half hour lesson per week, and \$150.00 for a one hour lesson per week. The cost of books, music, and other supplies will vary with the student's curriculum. In most cases the annual expense will be approximately \$175.00.

¹Transcripts are not issued during first two weeks of a semester.



Payment of Fees

Matriculation in the College is an implied contract by which the student accepts all regulations of the College, including those governing payment and refunds. Charges are made by the semester and they are payable by the semester. Payment of semester charges, or arranging to pay them, is a part of the registration process. Enrollment has not been completed until the student has paid the fees or has made satisfactory arrangement with the Business Office Manager. Students who are more than ten days delinquent in payment of any fees may be suspended from the College. No grade reports or transcripts will be issued until all financial obligations to the College have been met.

There are several acceptable methods of payment:

1. The entire account may be paid on registration.
2. One-half of the charge may be paid on registration and the balance 30 days after registration. This arrangement must be approved by the Business Office Manager at registration. The student may be suspended if the payments are not made when due. There is a charge of \$15.00 for this method of payment. A penalty charge of 1% per month (or portion thereof) on the unpaid balance may be assessed on payments not made when due.
3. For each summer session, the entire amount is payable on registration, or the student may pay half on registration and the balance within 10 days of the session. There is a charge of \$10.00 for this latter method.

Withdrawals and Refunds

Failure to attend classes does not constitute a withdrawal. Official withdrawal is the date the student receives the approval of the Dean of the College for his withdrawal, and all refunds are based on that date, regardless of the date of last attendance. In addition, there are academic penalties for failure to complete the proper procedures; for these see the appropriate passage in the "College Regulations" in this Catalogue.

Prior to obtaining withdrawal form, students receiving financial aid should consult the Financial Aid Director. A withdrawal form, available at the office of the Dean of the College, must be filed immediately by a student who withdraws from the College after he has registered for classes in a regular session, summer session, or Interim. The completed form bearing the proper signatures must be filed at the Registrar's Office.

Fall and spring semester tuition and refundable fees are refunded if the student withdraws on or before the fifth class day after registration. After the fifth class day, the following policy applies:

1. All fees are charged.
2. Between sixth day of classes and the third Friday after classes begin, three-fourths of tuition is refunded.
3. Between the third Friday and sixth Friday after classes begin, one-half of the tuition is refunded.
4. After the sixth Friday of classes, no refunds are given.
5. After the fifth day of classes, there is no refund for courses dropped while the student continues in other courses.
6. Room rent cannot be refunded regardless of date of withdrawal.
7. Board for that part of the semester or summer session which has not been used will be refunded regardless of the date of the official withdrawal.
8. Students who are separated from the College as the result of disciplinary action forfeit all refund rights.

Summer session tuition and refundable fees are refunded if the student withdraws on or before the first Friday of classes. After the first Friday of classes, the following policy applies:

1. All fees are charged.
2. Between the first Friday of classes and the second Friday of classes for eight-week courses,

half of the tuition is refunded.

3. After the second Friday of classes for eight-week courses, no refunds are given.
4. After the first Friday of classes for four-week courses, no refunds are given.
5. Room rent cannot be refunded regardless of date of withdrawal.
6. Board for that part of the semester or summer session which has not been used will be refunded.
7. Students who are separated from the College as the result of disciplinary action forfeit all refund rights.



Student Financial Aid

Many sources of financial aid are available to students who would like to attend Centenary College but who also need help in meeting the involved costs. Approximately 65% of the students presently enrolled at Centenary are receiving some amount of financial aid. Such aid may be in the form of a scholarship, grant, loan, part-time job, or a combination of these. The basis for these awards may be merit, or need, or both.

To be considered for financial aid at Centenary College, a student must complete the following steps:

1. Be accepted for admission to Centenary College.
2. Submit a Centenary College Financial Aid Ap-

plication to the Director of Financial Aid.

3. Submit a Financial Aid Form (FAF) to the College Scholarship Service (CSS) or the Family Financial Statement of the American College Testing Program.

Upon completion of these steps, a student will be considered for all financial aid sources available at Centenary College. Priority will be given to students who have completed these steps and submitted all requested information by April 15 prior to the academic year for which aid is desired. After this date, consideration will be on a "first come, first served" basis.

Special note: All financial aid awards are made for just one year at a time. Returning students must complete steps 2 and 3, listed above, each spring prior to the next academic year for which aid is desired. Failure to complete these steps by April 15 could result in a reduction or denial of financial aid for the next academic year.

Sources of financial aid available at Centenary College include:

Federal Programs

Basic Educational Opportunity Grant (BEOG)
Supplemental Educational Opportunity Grant (SEOG)

National Direct Student Loan (NDSL)
College Work-Study (CWS)

State Programs

State Student Incentive Grant (SSIG)
Guaranteed Student Loan

Institutional Programs

Athletic Grant-in-Aid
Band Grant-in-Aid
Church Careers Scholarship
Minister's Dependent Scholarship
Pre-Theological Scholarship
President's Scholarship

Endowed and Annual Gift Programs

(see Register in the back of this catalogue)

Detailed information on the above-mentioned programs and necessary forms may be obtained by contacting the Financial Aid Office: (318) 869-5137.

Veterans Benefits: For information, contact the V.A. Representative in the Registrar's Office: (318) 869-5146.

NDSL Repayments: Send payments to the NDSL Collection Officer in the Business Office: (318) 869-5125.







V. Academic Regulations

Admission to the College and attendance in classes are conditional upon acceptance of and compliance with the rules and regulations of the College as now established or hereafter revised. *It is the responsibility of the student both to know the rules of the College and to abide by them.*

The most important of these rules—those which constitute the very foundation upon which the educational program of the College rests—are contained in the Honor Code of Centenary College. As a condition of admission to and registration in the College, every undergraduate student must agree to comply wholly with the provisions of the Code. These provisions, along with other regulations governing College life are published annually in the student handbook known as **The Centenary College Student Handbook**. The Honor Court also periodically publishes a booklet containing explanations and interpretations of the Code and its implications. Campus parking and traffic regulations are published in another booklet available at the College Business Office.

For the smooth and orderly completion of the chosen academic program and the requirements of the degrees offered by the College, it is essential for the student to become entirely familiar with the contents of this Catalogue.

The course offerings, rules, regulations, and fees appearing in this Catalogue are announcements. They are not to be construed as representing contractual obligations of Centenary College, which reserves the right to change its courses of instruction, fees, charges for room and board, and its general and academic regulations without notice should circumstances warrant in the judgment of the College.

Faculty Advisers

Each student at Centenary College is assigned a Faculty adviser whose duty it is to counsel with the student regarding his degree program, his vocational or professional interests, his course schedule for each session, and his progress toward graduation. Each Faculty adviser is available for frequent consultation, and will call his advisees to see him in case of deficient grade reports and for semester course program planning. Normally, however, it is the student's responsibility to seek advice when he needs it, and he should have no hesitancy in doing so at other than the required times of consultation.

A student normally stays with the Faculty adviser assigned to him as a freshman until he declares a major and his files are transferred to an adviser in his



Nolan Shaw, Woolf Professor of Geology

major department. However, a student may request the Office of the Registrar to change his adviser assignment at any time, and if another adviser can accommodate him, the change will be made.

The Faculty adviser must approve, by signature, each student's course program for each semester, including all changes in registration.

Registration

All students are required to register for each session by the end of the formal registration period designated by the College in the official Academic Calendar. Registration is not complete until the appropriate cards and forms have been completed and all financial arrangements made. A late fee of \$25.00 will be charged for the completion of registration after the final day of registration. No registration is permitted after the date specified in the Calendar as the "last day for enrolling or changing courses."

Change of Registration

After registration is completed, a fee of \$10.00 is charged for any change of registration (i.e., for each course dropped, added or modified) not initiated by the College. A change is initiated by the College when the student is required to make the change by an instructor, his adviser, the Registrar, or the Dean of the College. Classes may be added only with the approval of the instructor and the Faculty adviser, and require the approval of the Dean of the College;

this may be done only until the date designated in the Calendar. Classes may be dropped with the approval of the instructor, the adviser, and the Dean until the date designated in the Calendar as the "deadline for dropping courses without academic penalty." If a student drops a course after this day, he will receive a grade of "F" for the course. This same deadline applies to changing from "credit" to "audit" or vice versa and changing a regular registration to "Pass-Fail" registration or vice versa. Forms for initiation of course changes are available in the Office of the Registrar.

A student may change from one major or degree program to another at any time with the approval of both advisers concerned. Forms are available in the Office of the Registrar.

Withdrawal

If it should become necessary for a student to withdraw from the College, he must secure a form for this purpose and secure the permission of the Dean of the College. Permission will not normally be given except in case of emergency after nine weeks of the semester have elapsed. The student must discharge all financial obligations to the College and be cleared by the College Library in order to receive the Dean's approval. *Failure to attend classes does not constitute withdrawal, and if a student leaves the College without completing the withdrawal procedures, he will receive a grade of "F" in all courses in which he was registered and will forfeit any right to refund of fees.*

Auditing Courses

Students classified as full-time by the College may, with the consent of the instructor, audit courses free of charge (except if in excess of 18 hours). If a student desires the audited course to be recorded on his transcript, he must register officially; otherwise, he audits by private arrangement with the instructor. Upon notification by the faculty member in charge of the course that the student did not actually attend, notation that the student audited the course will be stricken from his record without right of refund of fees.

Persons who are not Centenary students may also audit most courses in the College course-offering (exceptions are performance and execution courses

such as those in theatre, art, and music) for a reduced tuition rate. Registration procedures are simplified for students in this program. Consult the Office of the Registrar for information.

Classification

A "regular student" or "full-time student" is defined as one enrolled in at least twelve semester hours of course work. A full-time student in the summer is one enrolled in at least three hours per four-week term. (To receive full VA benefits on a continuous basis, registration must be for at least 6 semester hours over 8 weeks.)

Regular students are classified as follows: freshmen are those with less than 27 semester hours; sophomores, those with 27 through 59 semester hours; juniors, those with 60 through 89 semester hours; seniors, those with 90 or more semester hours.

Course Load

The normal course load is from fifteen to eighteen semester hours. Students on probation are allowed a maximum of thirteen (13) hours of courses for academic credit and may be allowed to take an additional hour in activities courses, including Cultural Perspectives. Special permission must be obtained from the Dean of the College for any student to register for more than eighteen semester hours, and permission will not be given to any student to register for more than twenty-one semester hours. The normal course load for the summer session is six to nine hours; however, permission may be granted by the Dean for a maximum of twelve semester hours.



Course Sequence

Courses are numbered according to the class year in which generally each is most profitably taken. (See p. 40 of this Catalogue.) Students should not enroll in courses in the upper division (numbered 300 and above) without courses in the lower division basic or introductory to the more advanced courses. Students wishing to take courses numbered higher than their current classification should consult with the Chairman of the department concerned.

Courses are also designated as sequential: double numbered, year courses, and integrated two-semester courses. (See p. 40) As far as possible, enrollment in these courses should maintain the sequence. Students who have failed a course in such a sequence will not be permitted to enroll in the more advanced course without the express permission of the instructor and the Dean. Students who have received an Incomplete grade in a course may, with the permission of the instructor, enroll in the more advanced course.

Class Attendance

The Centenary College Faculty and Administration believe that regular and systematic class attendance is an important and influential ingredient of the educational process at Centenary. It is the expectation of the College that students will place a high priority on this regular attendance.

It will be the responsibility of the individual professor to work out the detailed structure of attendance requirements as they relate to his classes, so as to implement the expectation of the College.

Students at Centenary College are responsible for mastery of material presented in the class sessions of the courses in which they are registered. Members of the Faculty are not expected to provide students who absent themselves from class without emergency reason with material (including examinations) covered in class. Faculty members are expected to inform the Dean of Students when students are absenting themselves from an excessive number of classes.

Because of Veterans Administration regulations, the Faculty must report to the Registrar any veteran who is absent in excess of three times the number of scheduled class sessions per week. The Registrar will notify the Veterans Administration of the absences.

Convocation Attendance

The College believes that participation in corporate worship and learning of theological and spiritual truths are integral to the education of the whole person, and strongly encourages regular attendance at the excellent programs in the College Chapel and in the Kilpatrick Auditorium. Recognizing the value of the gathering of the Faculty, Administration, and student body as a campus community from time to time, the Faculty has established the period from 11:00 a.m. to noon on Thursday as a period reserved for such gatherings for academic and religious purposes. No other meetings may be scheduled during this period, by either Faculty or students. Cultural Perspectives credit is given to Freshman and transfer students for this participation.



Examinations

All students are required to take the written examinations of from two to three hours' duration at the end of the semester in all courses except those in which the material covered does not lend itself to this type of measurement. An exception to this regulation is the senior candidate for a baccalaureate degree whose work is of "A" or "B" quality. In the *spring semester*, if the instructor of the course permits, he may be excused from the examination in that course.

Credit

Most courses at Centenary meet either three times a week for periods of 50 minutes each period or twice a week for periods of 75 minutes each. Carried successfully for one semester, such courses earn three semester hours each. Some courses such as laboratory sciences and activity courses such as physical education, musical ensemble participation (e.g., choir, band), theatre productions and performances, etc., earn only one semester hour of credit for three class meetings a week.

Grading System

At the end of each semester, letter grades are given in each course. These grades, their general significance, and their equivalent quality points are as follows:

- A— work of high distinction; four quality points per hour
- B— above average work; three quality points per hour
- C— average work; two quality points per hour
- D— passing work, but below average; one quality point per hour
- F— failing work; no credit, no quality points; hour credit counts as work attempted in calculating averages
- P— the passing grade recorded when a student takes a course under the Pass/Fail system (see below); no quality points; the credit given is not used in calculating averages
- I— Incomplete work, given only when emergency prevents the student from completing final examination or other concluding work of the course at the scheduled time. This temporary grade must be removed by completion within one semester of the time it is assigned, or it is automatically converted to a permanent "F"
- W— Withdrawal; no credit, no quality points (See section entitled "Withdrawal").

Each mid-semester instructors report to the Dean of the College all grades averaging below "C". These are not permanent grades, but are used as warnings that improvement is necessary. Both faculty advisers and students receive these deficiency reports; and students receiving such reports should immediately consult with their advisers.

English Proficiency

In the evaluation of all academic exercises the quality of English used by the student will be considered. Every student in every course is expected to use English that is grammatically correct and logically sound. Failure to meet recognized standards of English composition may result in a lower grade in any course.

Repeating Courses

Students who have earned a grade of "D" in a course may repeat the course to improve their grade. Hour credit toward graduation is earned only once, even though reflected twice in the total hours attempted; both grades are used in the calculation of cumulative averages.

Pass-Fail Courses

Students who have attained sophomore standing may register for courses in such a way that degree credit is earned but quality points are not assigned. The usual credit will be given if the course is successfully completed, but the grade will be recorded simply as "P," and the cumulative grade point average is not affected. If the course is not successfully completed, a grade of "F" is assigned and the cumulative average will reflect the failure.

With the exception of Interim and Internship courses, no more than 18 semester hours taken under "Pass/Fail" system may be attempted toward graduation requirements. Courses may not be taken "Pass/Fail" in a student's major department except for Interim and Internships that are approved by the department.

Students should be aware of the fact that some graduate schools when reviewing transcripts may consider a grade of "P" as equivalent to a "C" grade.

Academic Standing

To be in good academic standing at Centenary the student must meet the following requirements:

- (1) Maintain a grade point average of not less than:

1 through 26 hours	1.6
27 through 59 hours	1.8
60 or more hours	2.0

Hours on the left refer to the total number of hours attempted before the beginning of a semester. Grade point average is computed by excluding all work with the designation "P" or "I"

- (2) Pass a minimum of nine (9) semester hours each regular semester, except that first-semester freshmen are required to pass only six (6) semester hours.
- (3) A part-time student, registered for fewer than nine (9) hours, must meet the minimum grade point average requirement.

Academic Probation

A student may not normally remain on academic probation for more than two regular semesters. However, a student may be continued under academic probation for additional semesters if during the second and subsequent semesters under probation:

- (1) a minimum of nine (9) semester hours are passed, **and**
- (2) the total grade point average for the semester is a minimum of 2.3, or
- (3) a minimum of 2.3 for the current semester is maintained if fewer than 9 hours are taken.

A student will neither be placed on nor removed from probation during a summer or interim semester.

In a regular semester, students on probation are allowed a maximum of thirteen (13) hours of courses for academic credit and may be allowed to take an additional hour in activities courses, including Cul-



tural Perspectives. During the summer session the maximum load is 6 hours.

A part-time student on probation should consult with the Registrar before enrolling.

Academic Suspension

Suspension is automatic for the student who is placed on academic probation for a second regular semester and fails during this or a subsequent semester to:

- (1) raise the over-all grade point average to 1.8 if less than 60 hours or 2.0 if 60 hours or more have been attempted; or
- (2) pass a minimum of nine (9) semester hours and attain a grade point average of 2.3 for all hours attempted during the semester, or
- (3) make a 2.3 for all hours attempted, if taking fewer than 9 hours.

Suspension is for a minimum of one regular semester. A student under suspension may not count the summer or interim semesters as fulfilling the one-regular semester requirement, nor attend the summer or interim while under suspension.

After this minimum period of suspension the student may apply for readmission to the College. Readmission is not automatic, but if granted, the student is readmitted under academic probation and will be automatically dismissed in any semester in which the guidelines under "Dismissal" are not met.

Academic Dismissal

A student who has been suspended and readmitted on academic probation will be automatically dismissed in any semester in which:

- (1) a grade point average is not achieved of 1.8 if less than 60 hours or 2.0 if 60 hours or more have been attempted; or
- (2) nine (9) semester hours are not passed with a grade point average of 2.3 or higher; or
- (3) a 2.3 for the current semester or requirements in (1) are not met if enrolled for fewer than (9) semester hours.

A student who is dismissed may not thereafter be admitted to nor attend the College.

Major Fields and Degree Plan

As early as possible after deciding upon a choice of major field the student should, in consultation with his Faculty adviser, plan the remainder of his degree

program, so that he may proceed in an orderly way to meet the requirements of his major and of the degree for which he is a candidate. The student is required to file his degree plan, approved by his adviser and endorsed by the Registrar, in the Office of the Registrar before the end of the first semester of the junior year. Junior and senior transfers shall file a degree plan before the end of their first semester of residency. Most students find it expeditious to file a degree plan upon declaring a major.

A major consists of courses within one department totaling from 24 to 45 semester hours plus courses in one or more related subjects. Although there is no limitation on credit allowed for major and supportive hours, no more than 45 hours in the major may be included within the total of 124 hours required for graduation. (The hour limitations above do not apply to the B.M. degree.)

A student who transfers more than one half of the upper division courses required in the field of his major must complete additional hours at or above the 300 level in this major as determined by the chairman of the department concerned.

Time Limit

If a student does not complete degree requirements within seven years after matriculation in this or another collegiate institution, he must complete an additional 12 semester hours at or above the 300-level in his major subject; except that a student who attempts to complete degree requirements entirely by part-time attendance may be exempted from this requirement on recommendation of his major department chairman.



The Meadows Museum houses the Jean Despujols Collection

Degree Requirements

To qualify for the baccalaureate degree at Centenary a student must:

1. Earn no less than 124 semester hours, six of which must be earned during January Interim Studies, but no more than six may be counted toward the 124 hours required. (Students in 3-1 and 3-2 preprofessional programs will meet only the Interim requirements of the program.) No more than eight hours may be earned in activity courses.* The last 30 semester hours required for graduation must be taken in residence. No graduate course may be counted toward the 124 hours of undergraduate credit needed for graduation.

*P.E. 101-102, 201-202; Theatre/Speech 104 through 107; P.E. and Theatre/Speech 121 through 126; Music 151 through 160.

2. Meet the basic requirements for the degree to be earned.

3. Meet all the requirements for a major field of study.

4. Maintain a quality point average of 2.0 or higher in all courses taken in the department of his major, and of 2.0 or higher in all work taken in the College.

5. Have filed a degree plan in the Office of the Registrar before the end of the first semester of the junior year. Junior and senior transfers shall file a degree plan before the end of their first semester of residency.

6. Discharge all financial obligations to the College.

7. Meet the requirements of a Catalogue published in one year of his attendance and within five years of his proposed graduation.

8. Be present at the Commencement exercises to receive the degree conferred.

9. Complete English 101-102, Grammar and Composition I and II. All entering freshmen and all transfer students who do not offer transferable credit in English 101-102 are required to register immediately for the sequence English 101-102. Any student who fails either of these courses must register for the course he failed in each subsequent session until he has passed it. Students who are placed in English 100, Fundamentals of Grammar, must register immediately for that course and must pass it before taking English 101. English 100, English 101, and English 102 may not be dropped. English 101-102 may not be taken pass-fail. A "P" in English from another institution will not transfer except by petition. For information concerning exemption from English 101, see course description on p. 58. Students whose native language is not English

should consult the Chairman of the English Department.

10. Complete General Education 101-102, Cultural Perspectives. Required of all freshmen and other entering students.

In addition, all candidates for bachelor of arts and bachelor of science degrees must satisfy the following curricular requirements:

1. Of the 124 semester hours offered in satisfaction of the graduation requirements, at least 30 must be numbered 300 or above.

2. At least nine semester hours from each of the following divisions of the curriculum, including at least three semester hours from each of the subdivisions:

I	II	III	IV
A. Sciences	A. Art	A. Religion	A. Government
B. Mathematics	Music	Philosophy	Economics
	Theatre	B. History	B. Sociology
	B. English or Foreign Literatures		Psychology

NOTE: Not all courses may be used to fulfill the distributive requirements of section 2 above. No internship or practicum may fulfill distributive requirements. The following have been approved by the Educational Policy Committee for satisfaction of the requirement:

ART: 101, 102, 103-104, 105-106, 107, and 305.

BIOLOGY: All courses except 400.

CHEMISTRY: All courses except 400.

ECONOMICS: All courses except 301-302; note that only economics courses, not business courses, may be offered.

ENGLISH: All courses except 100, 101, 102, 103, 104, 105, 106, 207, 211, 309, 310, 312, 313, and 314.

FOREIGN LANGUAGES: Spanish 208 and all courses numbered 300 and above, except 400, Spanish 305 and 307, and French 305.

GEOLOGY: All courses except 201, 302, 303, and 405.

GOVERNMENT: All courses except 214, 303, 401, 402, 421, and 441.

HISTORY: All courses except 441.

MATHEMATICS: All courses except 223, 324, 400, and 401.

MUSIC: 111-112, 141-142, 143-144, and 170. (If 170, it must be for a total of four semester hours.)

PHILOSOPHY: All courses.

PHYSICS: All courses excluding engineering courses.

PSYCHOLOGY: All courses except 214, 221, and 303.

RELIGION: All courses except 203, 212, 300, 301, 308, 309-310, 314, 316, 318, 410, 411, 413, and 415.

SOCIOLOGY: All courses except 214, 231, 303, 410, and 415.

THEATRE/SPEECH: Only 111, 112, 250, 307, and 308.



Interim studies are conducted in Colorado

Interim Studies

Nearly every department of the College will from time to time offer a course or courses during the January Interim Studies Program, which are listed in the Catalogue as 1-99 with topics varying from year to year. The purpose of the program is the enrichment of the liberal arts curriculum by concentrated study for a short period on topics of general or specialized interest not normally offered in courses. Many of the courses will involve study off the campus, either at other institutions or in the field.

Announcement of the courses to be offered will be made at fall registration preceeding the Interim, and registration for 1-99 courses will be held before the close of the fall semester. Junior and senior transfer students must complete one Interim Studies course. Freshmen and sophomore transfer students must have two Interim Studies courses. Centenary will accept as many as two Interim courses from other institutions, provided such courses have clearly been taken as Interim courses as defined by our own regulations. All non-transfer students must submit six semester hours of Interim credit for graduation. As set forth above, no more than six hours of 1-99 courses may be counted toward satisfaction of the minimum 124 semester hour requirement for the

degree; but students who exceed the minimum may of course register for additional Interim Studies. Students may take only three semester hours during the Interim. Each course is designed to occupy the student's full time in class, study, research, and independent projects. Interim Studies courses cannot be used to fulfill distributive requirements. With the approval of a student's major department, Interim Studies courses may be used to fulfill a major requirement.

Double Majors

A student who satisfies all requirements of more than one major may have both majors entered upon his transcript and diploma. However, a student who selects two major fields of study which involve more than one degree must select the degree and the major he wishes to appear on his diploma, but both degrees and majors will appear on his transcript. No student may receive more than one degree or more than one diploma at any Commencement.

Second Degrees

To qualify for a second baccalaureate degree, a graduate of Centenary must present 30 additional semester hours. A student with a baccalaureate degree from another institution must meet all distributive requirements, either by acceptable credits transferred from the first degree or by work at Centenary, and successfully complete 30 semester hours, 24 of which must be in residence. A student must meet the degree requirements numbered 2 through 6 and 8 listed on p. 31, and meet all requirements of the Catalogue of the year he or she enrolled for the second degree and complete them within five years. No student is eligible for more than two undergraduate degrees at Centenary. Students who have earned one degree are not eligible for any institutional (scholarship and/or grant-in-aid) awards. These policies apply to all students, including transfers.

The student may take a maximum of 6 semester hours "Pass/Fail." However, the total number of "Pass/Fail" hours under both first and second degrees may not exceed 18 semester hours. (See exceptions under "Pass/Fail Courses.") A student wishing to apply to his second major a Pass/Fail course taken under his first degree should consult with the chairman of his major department.

Correspondence Credit

Centenary College does not offer correspondence courses, but a limited amount of elective credit may be earned by correspondence study with accredited colleges and universities. Centenary will accept only those courses which the college or university offering the correspondence study will accept toward its own baccalaureate degree. Neither courses in the student's major field nor courses offered in satisfaction of distributive requirements may be taken by correspondence.

Taking of courses by correspondence for Centenary credit is permitted only by special arrangement with the Dean of the College, and students taking such courses may have to pass a special examination at the Dean's discretion or that of the chairman of the department in which the student is majoring.

Summer Sessions

Students who plan to attend summer school elsewhere and to transfer the credit to Centenary need not have formal permission to do so, but are advised to consult their Faculty advisers and/or department chairmen with regard to the courses proposed. Students are specifically warned that Centenary is reluctant to grant transfer credit for courses taken at junior colleges which are numbered as upper-division courses at Centenary.

Academic Petitions

All academic regulations are formulated by the Faculty to serve the best educational interest of the greatest number of students. Centenary College takes pride in its ability to serve the individual needs of its students, and its Faculty has therefore established a procedure to act on the requests of students for exception to, or waiver of, academic regulations that seem inimical to their academic needs. Forms for filing a petition may be obtained in the office of the Dean of the College.

ACADEMIC HONORS AND ORGANIZATIONS

Graduation Honors

The baccalaureate degree is awarded with special distinction to graduating seniors with cumulative averages of 3.5 or better. Candidates with averages between 3.5 and 3.69 are graduated cum laude, those with averages between 3.7 and 3.89 magna cum laude, and those with averages 3.9 and above, summa cum laude. If a student has attended another institution and on the basis of work done at Centenary would be eligible for graduation honors, the Registrar will compute the overall average of all work attempted at Centenary and elsewhere to determine eligibility for graduation honors. If the overall average is higher than the Centenary average, the Centenary average will be used to determine which honor is given.

Dean's List

An academic honor limited to those students who have achieved a grade point average of 3.50 or better in twelve or more semester hours taken for a letter grade.



Honors Programs

Many academic departments at Centenary offer Honors Programs to interested students of outstanding ability. These programs have been designed by



the different departments and approved by the Educational Policy Committee. They may include opportunities for independent study plus papers, research reports, and/or showings or public performances in the case of Honors work in the arts. To be eligible for admission to candidacy for Honors, a student must have attained a grade point average of at least 3.0 in both major and non-major subjects; have attained junior standing and at the time of admission to the program normally have earned more than half of his credits in work done in residence at Centenary, and have his candidacy for Honors approved by his major department and the Educational Policy Committee. To qualify for Honors a student must spend a minimum of two semesters in the program and maintain an average of at least 3.0 in both major and non-major subjects.

Attainment of departmental honors through successful completion of this program does not supplant traditional graduation honors (see below). Thus a student may graduate "Bachelor of Science with Honors in Mathematics magna cum laude," or "Bachelor of Arts with Honors in English," or

"Bachelor of Science in Biology summa cum laude."

Interested students should consult the chairman of their major department for specific information.

Special Program for Independent Study

A student who completes his first year of full-time study with a grade point average of at least 3.0 may apply for permission to design the remainder of his degree program within the guidelines of the Special Program for Independent Study. Application for admission to this program is made to the Educational Policy Committee. Admission to the program requires that during his freshman year the student must have demonstrated evidence of sufficient self-discipline to perform in a program of this type and have displayed an interest beyond that of the ordinary student by, for example, completing work beyond the regular class assignments and requesting supplemental reading in particular areas of the course. If the Committee approves the student's application, it will appoint a supervisory committee consisting of the Dean of the College, one member from each of the three academic divisions and a member from the department of the student's major interest. The student will work with this committee for the remaining three years of study. He will not be subject to any further distributive requirements, nor the requirements of any regularly constituted major, except as his supervisory committee may direct.

More information about the program may be obtained from the Educational Policy Committee or the Dean of the College.

Honor Societies

Membership in the Maroon Jackets is one of the highest honors that can be bestowed upon a Centenary student. The Maroon Jackets are chosen from among students who will be entering their final year, who have excelled scholastically (3.0 average required) and have shown outstanding leadership and service to the College. They are the official hosts and hostesses of the College, representing Centenary at all functions of major importance. Omicron Delta Kappa, a national honorary fraternity for men and women, recognizes leadership, scholarship, and service in various fields of activity. Outstanding students are elected to the fraternity from the junior and senior classes by members of the chapter.

A number of honorary fraternities and service organizations which recognize scholarship and leadership have chapters on the Centenary campus. These include: Alpha Chi, a national scholastic fraternity for junior and senior men and women who have a 3.5 cumulative average and are invited to join; Alpha Epsilon Delta, a national honor society for premedical students who have a 3.0 average in science courses and a 3.0 average in non-science courses; Alpha Sigma Chi, society of chemistry upperclassmen who have a 2.5 cumulative average and a 3.0 average in chemistry; Eta Sigma Phi, a national honorary fraternity for outstanding students of Greek or Latin; Sigma Gamma Epsilon, honorary fraternity for students with a 3.0 cumulative average in 10 hours of geology and 2.0 overall average; Sigma Pi Sigma, honorary physics fraternity for students with a 3.0 average and three hours of advanced physics; Kappa Pi, national art fraternity; Phi Beta, national speech and music fraternity; Alpha Kappa Delta, National Sociology Honor Society.





Marjorie Lyons Playhouse



VI. Courses of Instruction

Degree Offerings

Centenary College offers three undergraduate degree programs, one leading to the Bachelor of Arts, another to the Bachelor of Science, and a third to the Bachelor of Music.

B.A. degree programs include the following majors:

Art	Liberal Arts
Chemistry	Mathematics
Christian Education	Music
Economics	Philosophy
English	Physics
Foreign Languages (any major-minor combination of French, German, Latin, and Spanish)	Psychology
French	Religion
Government	Sociology
History	Spanish
	Speech
	Theatre

B.S. degree programs include the following majors:

Accounting	Geology
Biology	Mathematics
Business	Physical Education
Chemistry	Physics
Elementary Education	
B.S., B.A. combined degree in Engineering	

B.M. degree programs include the following majors:

Performance
Music Education
Sacred Music

Liberal Arts Major

Students who do not wish to concentrate in a single discipline, or who do not have clearly defined career goals, may elect to major in the "Liberal Arts," and under the guidance of a Faculty committee select three or four departments in which they will complete the requirements of their major. In addition to the general distributive requirements, such students must complete work in a foreign language through the intermediate level and forty-eight hours in the three or four major departments selected with a minimum of twelve hours in each of the departments. These departments must represent more than one of the academic divisions of the College. Twenty-four of the major hours must be at the 300 level or above, and none of the forty-eight may be used to fulfill distributive requirements.

The student wishing to pursue the B.A. degree in Liberal Arts must apply to the Dean of the College for admission.

Academic Programs

While Centenary is fundamentally a liberal arts college, it is nonetheless sensitive to the special professional and vocational needs of its students during the 1980s. With these needs in mind, the College offers a variety of programs specially designed to provide for each student the requisite training in his chosen field so that he will have, upon graduation, a choice of options such as graduate study, additional professional training in a business or industry, or direct entry into a career.

A program, defined in terms of these special needs, is a formalized body of academic courses and practical field opportunities intended for the student who wishes to explore preprofessional preparation or to enter a career directly upon graduation. The academic and practical experiences are designed to assist the student in developing skills, insights, practical information, and academic background that relate to definite career choices.

Students interested in a program apply to the program coordinator for a plan of study and field experiences. Students may enter a program no earlier than the sophomore year; normally, field experiences will not begin until the junior year. Programs and majors should not be confused; they are two different entities. The course work in any program does not constitute a major. For example, elementary education is a major; secondary education is a program; biology and chemistry are majors; pre-medicine is a program; Christian Education is a major; church careers is a program.

While Centenary College encourages participation in a program, it is possible for a student to have a major and not be enrolled in a program. However, it is not possible for a student to receive a degree from Centenary College solely by participating in a program; he must also have a major.

Preprofessional Programs

Certain programs are designed to prepare the student for graduate and professional school. The following is a list of the current preprofessional programs and program coordinators:

Program	Coordinator
Pre-Dentistry	Dr. Rosemary Seidler
Pre-Engineering	Dr. Warren White
Pre-Forestry	Dr. Bradley McPherson
Pre-Law	Dr. Walter Lowrey
Pre-Medical Technology	Dr. Bradley McPherson
Pre-Medicine	Dr. Rosemary Seidler
Pre-Pharmacy	Dr. Bradley McPherson
Pre-Physical Therapy	Dr. Bradley McPherson
Pre-Theology	The Reverend Robert Ed Taylor
Pre-Veterinary Medicine	Dr. Bradley McPherson

Pre-Engineering

In support of some of these programs, Centenary, in cooperation with Columbia University, Stanford University, Louisiana Tech University, Texas A&M University, the University of Arkansas, and Tulane University, offers the "three-two" program in liberal arts and engineering science (known also in the Columbia relationship as the "Combined Plan"). Under this program, students pursue concentrated studies in the liberal arts and sciences at Centenary for three years, followed by two years professional work at the chosen institution. At the end of the five years of study, the B.A. degree from Centenary and the B.S. degree in engineering at the cooperating institution are simultaneously awarded.

Pre-Forestry

An additional "three-two" program is available in cooperation with the Duke University School of Forestry. After a coordinated and integrated program of studies in liberal arts and basic sciences at Centenary for the first three years, the next five semesters are spent in the Duke School of Forestry. Upon successful completion of the professional program of study, a student will have earned the B.S. in biology from Centenary and the Master of Forestry from Duke.

Pre-Medicine

The College also offers "three-one" programs for students interested in the study of medicine or medical technology. Under these plans, the student may complete all major and general education requirements in three years of study at Centenary and upon successful completion of one year of medical studies or medical technology, the B.S. degree is awarded by the College.

Pre-Law

The Association of American Law Schools considers it unwise for a college to specify one particular curriculum for all undergraduate students who intend to enter law school. Rather, it advises the student to select a major in a rigorous, demanding, and personally satisfying area of study.

Entering pre-law students who have not selected a particular academic major are assigned to the History and Government Department for advising, and may choose to pursue a major in one of these fields. However, in a liberal arts college such as Centenary, the principles and goals of pre-law study apply in many other degree programs. Whatever academic major the pre-law student eventually elects, he will be assigned a pre-law adviser as well as a major adviser, and should consult with both.

Listed below are some of the courses which Centenary especially recommends to the pre-law student either as part of his distributive requirements or as electives:

Philosophy 208, Social Philosophy
 Philosophy 209, Practical Logic
 English 309, History of the English Language
 Economics 201-202, Principles of Economics
 Psychology 305, Social Psychology
 All 300- and 400-level History and Government courses

Students interested in the "three-two" engineering program should consult the Chairman of the Department of Physics. Those interested in the "three-two" Pre-Forestry program and the "three-one" medical technology program should consult the Chairman of the Biology Department. Pre-Medicine and Pre-Dentistry students should confer with the Pre-Medical adviser. Pre-Law students should confer with the Chairman of the Department of History and Government; and those considering the Pre-Theology program in preparation for the ministry or other church vocations should see the Chairman of the Department of Religion.



"The Lark," a production of The Marjorie Lyons Playhouse

Career Preparation

The following is a list of current professional programs designed to prepare students for entry into a career immediately upon graduation; for additional information concerning any of these, contact the appropriate program coordinator:

Program	Coordinator
Accounting	Dr. Delbert Chumley
Business/Spanish	Dr. Arnold Penuel
Church Careers	The Reverend David Dykes
Computer Science	Dr. David Thomas
Dance	Mrs. Ginger Folmer
Early Childhood Education	Dr. Robert Hallquist
Elementary Education (Major)	Dr. Robert Hallquist
Journalism	Dr. Lee Morgan
General Business	Dr. Hugh Urbantke
Public Administration	Dr. Alton Hancock
Secondary Education	Dr. Joseph Garner
Teacher/Coach	Dr. Betty Haley

Explanation of Course Listings

On the following pages is a complete listing of the courses offered at Centenary College. In addition, a schedule of classes is published during the semester before each registration period which lists all sections of all courses to be offered during the succeeding session, together with the hour, day, and place of meeting, and generally the instructor in charge of each section.

Courses are numbered according to the class-year in which each is generally most profitably taken: 100-199 for freshmen, 200-299 for sophomores, 300-399 for juniors, and 400-499 for seniors. This is

not an absolute restriction, but students wishing to take courses numbered higher than their current classifications should see the chairman of the department concerned. Courses with numbers beginning with zero carry no college credit.

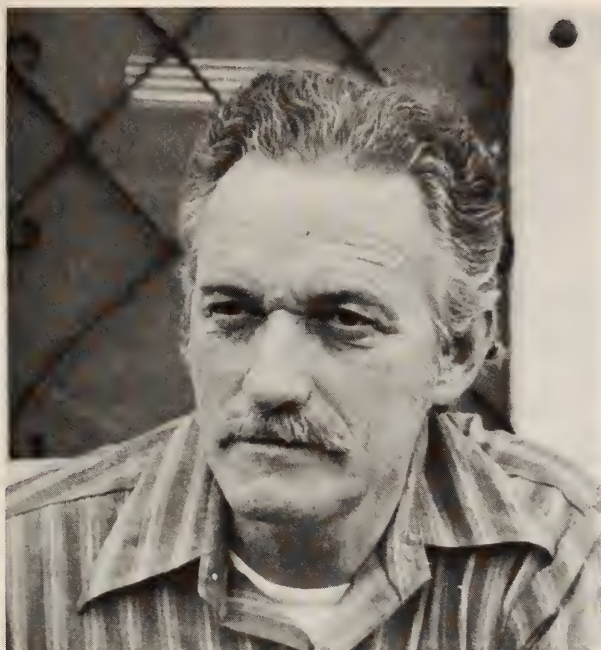
Unless otherwise specified in the course description, courses normally offered in the fall semester bear odd numbers, while those offered in the spring semester carry even numbers. Courses with a single number are one-semester courses; those with double numbers are two-semester courses.

Courses organized so that the student may enroll in and receive credit for either half, or in either order, have double numbers separated by a comma: 205, 206. Year courses in which the first half is prerequisite to the second have double numbers separated by a hyphen: 205-206. Two-semester courses so closely integrated that both halves must be successfully completed before credit may be received in either have double numbers separated by hyphens and enclosed in parentheses: (205-206).

To earn three hours' credit, the student normally spends each week three 50-minute periods in the classroom, or two or three such periods and three or more hours in the laboratory. The Faculty has designated certain activity courses—in music, theatre, physical education, etc.—as one-semester-hour courses. No more than eight hours earned in such courses may be credited toward the basic degree requirement.

In the following listing of courses of instruction, the number of semester hours awarded for the course is specified to the right of the course title. In the offerings of the natural science departments, the number of weekly hours of class work and laboratory is shown in parentheses at the end of the description: for example, (3-3) indicates that the course requires three hours of lecture-discussion and three hours of laboratory work each week of the semester.





Willard Cooper, Chairman of the Department of Art

Art

Professor Cooper, *Chairman*
Adjunct Professor: Friedenberg
Lecturers: Stevens, Sutton

Major Requirements

The Art Department is an integral part of the liberal arts program, and is not intended to take the place of a professional art school, but rather to furnish a broad background of basic knowledge in order to increase the possibility of full expression. The goal of the department is to give the student sound training in drawing, painting, art history, and technique, and to encourage creative thinking and productivity.

A major in art must take 38 semester hours in the department, including the following studio courses which should be taken consecutively: 103-104,

203-204, 303-304, 401-402 and 403. The remaining departmental courses are taken in art history (101-102), the graphic arts (301), and materials and techniques (307). In addition, Philosophy 205 (Esthetics) and a foreign language through the intermediate level (202) are required.

01. Ceramic Jewelry 0

Pouring, glazing, and firing ceramic jewelry and some instruction in the use of a press mold. Offered in the evening hours.

101. Survey History of Art 3

An historical survey of painting, architecture, and sculpture from prehistoric times through the Middle Ages.

102. Survey History of Art 3

A history from the Italian Renaissance to the contemporary schools in Europe and the United States.

103-104. Art Fundamentals 3-3

Basic training stressing draftsmanship and the elements of two and three dimensional design. Drawing done in black and white and in color. Compositions are brought in for a weekly criticism class. This course, or its equivalent, is prerequisite to all advanced studio courses. Six studio hours a week.

105-106. Introduction to Art 3-3

A beginner's course for students whose field of concentration lies in other departments and who have had no previous training in art. Not open to art majors or those who have had 103-104. Six studio hours a week.

107. Art Appreciation 3

Arts of the past and present studied in relation to their social and cultural backgrounds. No credit toward an art major.

201. Selected Topics 3

Prerequisite: Permission of the Chairman of the Department. Courses which deal with different topics or problems each semester (e.g., artists, styles, historical periods, studio problems, etc.).

203-204. Advanced Drawing and Composition 3-3

The essentials are still stressed with more experiments with different media and methods of expression. Outside compositions done for a weekly criticism class. Six studio hours a week.

205-206. Advanced Painting in Water Colors 3-3

Six studio hours a week.

207. Art for the Elementary Teacher 3

A development of basic skills in handicrafts, basic concepts, and techniques in art. Especially helpful for the elementary school teacher, but not limited to teachers. Open to anyone, with instructor's approval.

208. Interior Design and Decoration 3

An historical survey of interior design from ancient Egypt to the present day, with special emphasis on the styles and trends of each of the well-known periods. The course is primarily academic, but some laboratory work is required.

209. Commercial Art 3

Offered in the evening hours.

210. Crafts for Children

The prospective teacher is trained to nurture creativity in children through guided exploration of the media, tools, and techniques of the various handicrafts.

211. Pottery 3

Basic clay techniques including the design and creation of a variety of pottery forms by hand and wheel methods, along with practice in kiln loading and firing. Six studio hours a week.

215. Weaving 3

The basic methods of non-loom and loom weaving, including instructions in various fibers and hand spinning. Six studio hours a week.

217. Jewelry and Metalsmithing 3

Basic silversmithing techniques: soldering, sawing, filing, working with silver or copper, and stone setting. Students will design and make various kinds of jewelry. Six studio hours a week.

301-302. Printmaking 3-3

Prerequisite: Art 204 or instructor's approval. A study of the processes involved in the making and printing of etchings, woodcuts, linoleum block prints, and lithographs, with lecture and studio practice. Three hours a week with outside work.

303-304. Painting 3-3

Proficiency in the use of oil paints is regarded as basic, but the student is encouraged to experiment with other media. Outside compositions will be brought in each week. Six studio hours a week.

305. History of American Art 3

The cultural and artistic development of our nation over the last 400 years as expressed in painting, sculpture, architecture, graphic arts, the decorative arts, and city planning.

307. Materials and Techniques 3

Prerequisite: 204 or instructor's approval. A systematic study of the less common methods of painting, including encaustic, polymer, egg-tempera, casein, and plastics, and an examination of the techniques of some of the old masters. Lecture, studio, and outside work.

401-402. Advanced Painting 3-3

During the final year the student is encouraged to develop a personal philosophy of painting. Instruction will depend largely upon the needs and natural inclinations of the individual student. Each student will have a Senior Exhibit of his best work. Outside compositions will be brought in each week. Six studio hours a week.

403. Art Seminar 2

Prerequisite: Instructor's approval. A review of the history of art, and the facts and principles which are emphasized in all the courses required for a major in art. Second semester.

421-422. Independent Study in Art 1-6

Open to qualified art majors. Work may be done in research and reading, or in painting. The student will follow a work plan arrived at in cooperation with the Chairman of the Department, and must consistently furnish evidence of seriousness of purpose.

I-99. Interim Studies 3

Special topics offered in the January Interim.



The Ratner Collection of Judaen Antiquities, Meadows Museum

Biology

Associate Professor McPherson, *Chairman*

Associate Professor: Liles

Assistant Professor: Cook

Major Requirements

Courses in this department are designed to emphasize the cultural values of the life sciences and to apply biological concepts in terms of man. The program provides a broad background for the future biologist, as well as the non-science student. Classroom and laboratory experiences are complemented by the various off-campus opportunities designed to prepare students for graduate study in biology or for the numerous professions related to this field.

All students enrolling in the department must complete Biology 101-102, 111-112 as a prerequisite for all other coursework in biology. Majors must take 36 semester hours in biology, of which 16 semester

hours must be from courses numbered 300 or above. Supporting courses that are required for the Bachelor of Science Degree include Mathematics 108 and 201; Chemistry 201-202; Chemistry 211-212; and Physics 108-209. Those seeking admission to graduate and professional schools (medicine, dentistry, veterinary medicine, and optometry) should consult with their adviser regarding additional requirements in Chemistry 301 and 311; Physics 118-219; and foreign languages.

High school graduates who have completed advanced courses in high school biology and who have taken Advanced Placement or CLEP tests should meet with the department chairman to consider modified programs based on their achievement scores.

101-102. Principles of Biology 3-3 (Labs must be taken with course)

A study of the general principles and phenomena common to both plants and animals. The following topics are considered: the cell concept; physical and chemical bases of metabolism; morphology and developmental history of representative plants and animals; patterns of behavior; evolutionary processes and genetic mechanisms; and ecological associations. (3-3)

111-112. Principles of Biology Laboratory 1-1 Prerequisite: Concurrent registration in or credit for appropriate lecture course, 101 or 102. Lecture sections may not be taken without laboratory unless previous credit for laboratory has been obtained. The laboratory work is designed to reinforce biological concepts by application of the scientific method.

201. General Botany 4 The course will examine in depth the external form and internal anatomy of vascular plants and will correlate the structure with the physiology, metabolism, and the overall function of plants.

202. Plant Taxonomy 4 A course in the identification of plants native to this area or found in local cultivation. (3-3)

203. Comparative Anatomy 4 A comparative study of the vertebrate systems and their phylogenetic development. Dissections are made of the shark, mudpuppy, and cat. (2-6)

204. Embryology 4 Gametogenesis, fertilization, and early embryonic development of chordates; vertebrate ontogeny as seen in the chick and pig. (3-3)

217. Human Anatomy and Physiology 4 A study of the anatomy and physiology of man. Emphasis is placed on homeostatic regulation in the human body. A basic course designed for students interested in physical education, medical technology, physical therapy, and nursing.

302. Microtechnique 4 Methods of preparing tissues for microscopic study. Alternate years. (2-6)

304. Invertebrate Zoology 4 The taxonomy, morphology, physiology, and life histories of the invertebrate animals. Yearly. (3-3)



Bradley McPherson, Chairman of the Department of Biology

- 305. Ecology** 4
Prerequisites: Chemistry 101-102; Chemistry 111-112. A study of the interrelations of living things with reference to their non-living environment. (3-3)
- 306. Microbiology** 4
Prerequisites: Chemistry 101-102; Chemistry 111-112. A general survey of micro-organisms and their role in nature. The laboratory studies bacterial form and function, as well as practical aspects of food preservation, water purification, and industrial processes. Patterns of disease in terms of bacteria, fungi, and virus are considered. Alternate years. (3-3)
- 308. Plant Morphology** 4
Prerequisite: Biology 201. A phylogenetic study of plants from the simpler to the more complex, specialized forms. Comparison of plants through the ages, emphasizing relationships of living and fossil forms, reproduction and development of the plant body. Offered in alternate years starting Spring 1980. (3-3)
- 311. Physiological Psychology** 3
Offered yearly. (Same as Psychology 311.)
- 313. Genetics** 4
The fundamental concepts of heredity with consideration given to both modern and classical genetics. Microorganisms, as well as *Drosophila*, are used in the laboratory to acquaint the student with the procedures and techniques used by the geneticist. (3-3)
- 321. Biochemistry I** 3
Prerequisites: Chemistry 202, 212. A study of the organic, physical, and structure-function relationships of biomolecules and their catabolic processes. (Same as Chemistry 321.)
- 322. Biochemistry II** 3
Prerequisites: Chemistry 202, 321. A study of biochemical systems and the relation of biochemical functions to molecular structure. Offered yearly. (Same as Chemistry 322.)
- 395. Selected Topics** 3-4
Prerequisite: Depends upon topic. A detailed study of an area of Biology not normally covered in regular courses. May be repeated once for credit when a different topic is studied.
- 398. Colloquium, Oak Ridge Semester** 1
Prerequisites: Junior standing and admission by SCUU Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff at Oak Ridge National Laboratory under supervision of resident SCUU Faculty. (Same as Chemistry 398/Math 398/Physics 398)
- 399. Research, Oak Ridge Semester** 1-6
Prerequisites: Junior standing and admission to the program by the SCUU Selection Committee. Research performed through participation in the SCUU-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as Chemistry 399/Math 399/Physics 399)
- 400. Internship** 3
Prerequisites: Junior standing and approval of the department Faculty. Assignments in an applied biological work experience will involve a minimum of 120 hours. A final oral presentation and written summary of the semester's work are required. Offered on demand.
- 402. General Physiology** 4
Prerequisites: Biology 203, Chemistry 202, Chemistry 212. Fundamental principles of cellular and organismal physiology. Primary emphasis is given to the interactions among the respiratory,



cardiovascular, nervous, and endocrine systems in man. Alternate years. (3-3)

- 404. Mycology** 4
Prerequisites: Biology 201, 313, and 321 strongly recommended; or consent of the instructor. An investigation of the biology of fungi, including their structure, taxonomy, physiology, genetics, ecology and importance to man. Alternate years.

- 406. Histology** 4
Prerequisite: Biology 203 or 217. Microscopic study of the tissues and organs of the human body. Alternate years. (2-6)

- 409, 410. Independent Study** 1-6
Prerequisite: 20 semester hours of biology. Each candidate must submit a written proposal for departmental approval in advance of their intention to register for this type of study. Experimental work on an assigned problem. A final written report and oral presentation are required.

- I-99. Interim Studies** 3
Special topics offered in the January Interim.

School Of Business

Professor Urbantke, *Dean*

Associate Professor: Chumley, DuVal

Assistant Professors: Dauterive, Morrill

Instructor: Dowden, Leonard, McGovern

Professor Emeritus: Pate

Lecturers: Cox, Barnes, Zahm

Economics

Major Requirements

The economics major offers training for the citizen, who to a degree must be an economist in his daily life; for the business man, who must make decisions in the light of economic developments; and for the economist, who is concerned with the manner in which the economic system as a totality operates. The B.A. in Economics requires 30 semester hours in Economics plus Business 203-204. The 30 semester hours must include Economics 201 and 202, which are prerequisite for all 300 and 400 level courses; Economics (301-302) and 329 or 312; and the approval of the course of study by the departmental adviser. Business 408, 414, 425, 426 may be taken to satisfy major requirements in Economics, with the approval of the adviser. (Business 203-204 is prerequisite for all 300 and 400 level courses.)

A student may be admitted to the Departmental Honors Program if he has attained junior standing and meets the other requirements. For details, consult the Dean.

123. Economic History of the U.S. 3
The development of economic activities in the changing U.S. institutional patterns. On demand. May not be used to satisfy major requirements for the B.S. in Business.

201. Principles of Economics 3
An introductory study of economic activity with emphasis on national economic problems. Each semester.

202. Principles of Economics 3
Prerequisite: 201. An introductory study of the determination of prices, wages and value; analysis of the process and principles by which an economy allocates resources. Fall and spring.

301-302. Statistics 3-3
Descriptive and inferential. A study of variance, frequency distribution analysis, regression and correlation, index numbers, time series, sampling, probability, tests of significance, and statistical estimation. Yearly.



Hugh Urbantke, Dean of the School of Business

- 311. Intermediate Micro-Economic Theory** 3
Economic theories of individual and business decision-making and their effects on the production and allocation of economic goods. Fall.
- 312. Intermediate Macro-Economic Theory** 3
Neoclassical, Keynesian, and modern theories of the determination of aggregate economic activity and their empirical relevance. Spring.
- 324. Labor Economics** 3
Development of labor movements, collective bargaining, wages and employment, and public policy. On demand.
- 326. Public Finance** 3
Revenue and expenditure policies of the public sector; the public-private mix in resource allocation and distribution. On demand.
- 329. Money and Banking** 3
The structure and operation of money and banking institutions, with emphasis on the role of money, banking, and monetary policy in the economic life of the community. Fall.
- 402. Growth and Stability** 3
Problems of cycles and inflation. On demand.
- 403. Economic Development** 3
Factors and patterns that effect economic development worldwide. Problems to be overcome to develop a nation.
- 410. Managerial Economics** 3
Application of the theories of profits, market structure, demand, and costs to decision-making by firms. On demand.
- 411. Government and Business** 3
The economics of government regulation in the institutional setting of the U.S. and the private enterprise system. Recommended for government, history, and sociology majors. On demand.

421. Comparative Economic Systems	3
The nature and operations of alternative systems for determining resource allocation and utilization. On demand. (Same as Government 421.)	
440. International Economics	3
International economic institutions and the theory of international trade. On demand.	
470. Independent Study	1-6
Independent study of economic problems. By invitation only.	
I-99. Interim Studies	3
Special topics offered in the January Interim.	

Business

There is general agreement today that the businessman needs training in the liberal arts. Courses in the humanities, in mathematics and natural sciences, and in the social sciences equip the businessman with the analytical ability and the breadth and flexibility of mind necessary to cope with a technological, social, economic, and political environment that changes with bewildering rapidity.

In the courses designed to train the student in the area of business, Centenary therefore places emphasis on a broad base of fundamental knowledge and the development of certain basic skills on which the student can build through experience obtained after college. To this end the Business curriculum is built around the quantitative and behavioral sciences. The quantitative area is stressed so that the student will learn the use of quantitative data for decision-making. The behavioral sciences are emphasized so that the student will better understand the behavior patterns of formal organization and the problems which arise when men attempt to achieve common goals.

Major Requirements

Associate in Science Degree Program

The School of Business now offers a program leading to an Associate in Science Degree. It is designed to give needed training in business areas and at the same time, provide some background in non-business courses to develop the mathematical and management skills which are needed in business. Some courses in the arts and sciences are an integral part of the program and will enable the student to develop a better understanding of himself, his culture, and the society in which he lives. The Associate in Science Degree program will take most students about three years to complete. (A four-year degree at night would take twice as long.) The program, basically designed for those presently employed, will be offered entirely in the evening. However, it is open

to recent high school graduates who are interested. Since almost all the courses are regular college credit courses, most of the work completed toward the associate degree will also apply toward the bachelor's degree. Upon satisfactory completion of the courses of study (of 60 hours), the student will be awarded an Associate in Science Degree in Business from Centenary College.

The requirements of the program in the two areas available are as follows:

Business Administration

General Requirements	Hours
English Composition (101)	3
Math (105)	3
Math (107)	3
Computer Systems (223)	3
Elective (Social Science)	3
Elective (Humanities)	3
Elective (Natural Science)	3
Business and Economics	
Introduction to Business	3
Principles of Economics (201-202)	6
Management (321)	3
Marketing (346)	3
Business Law (323)	3
Personnel Management (322)	3
Managerial Accounting (315)	3
Economic Elective	3
Statistics (301)	3
Statistics (301)	3
Business Elective	3
Total Hours	60

Accounting

General requirements	Hours
English Composition (101)	3
Math (105)	3
Math (107)	3
Computer Systems (223)	3
Elective (Social Science)	3
Elective (Humanities)	3
Elective (Natural Science)	3
Business and Economics	
Principles of Economics (201-202)	6
Principles of Accounting (203-204)	6
Management (321)	3
Marketing (346)	3
Business Law (323)	3
Intermediate Accounting (305-306)	6
Cost Accounting (309)	3
Income Tax I (411)	3
Statistics (301)	3
Business Elective	3
Total Hours	60

Bachelor of Science in Business

The B.S. in Business requires 36 semester hours of Business or Economics courses including Business 203-204, 321, 346, and Economics 201-202 and 301-302.

Prerequisite requirement: Business 203-204 and Economics 201-202 are prerequisites for all 300-400 level Business and Economics courses or under special conditions with the consent of the instructor.

A student may be admitted to the Departmental Honors Program if he has attained junior standing and meets the other requirements. For details, consult the Dean.

Bachelor of Science in Accounting

The accounting curriculum, leading to the degree of Bachelor of Science, provides a thorough education in the field of accounting. This specialized knowledge of accounting together with a broad liberal arts and business background is designed to prepare students: (1) for careers in accounting management; (2) for further academic work; (3) for careers in public accounting field; and (4) to take appropriate trainee positions in government and business.

The B.S. in Accounting requires 27 semester hours of accounting courses; Business 203-204, 305-306, 309, 407, 409, 411 and, 412 or 310 plus Economics 201-202, 301-302, 329, and 311 or 312. Business courses in addition to those accounting courses listed as Business include: Business 321, 323, 324, 346, 425.

Business/Spanish Coordinate Program

This coordinate program with the Department of Foreign Languages is designed to prepare the business student to work in a Spanish-speaking country or a Spanish-speaking area of the United States. The student admitted to this program will normally major in Business and will receive a B.S. in Business. The Economics-Business requirements are Economics 201-202, and (301-302); Business 203-204, 321, 323, 346, and an elective 300 or 400 course. The Spanish requirements beyond 202 are 206, 305, 303 or 431. Certain of these courses are flexibly designed to permit the student to familiarize himself with the specialized vocabulary and literature of his field of interest. Additional requirements are Government 207 and History 341, 342. Inquiries concerning the program should be addressed to Dr. Arnold M. Penuel in care of the Foreign Languages Department.

101. Introduction to Business 3

Business organization and operation. Survey of the various fields of business, basic business problems and procedures, the opportunities open to college graduates in business, and the vocabulary of business. Not open to junior and senior majors within the department. Yearly.

105. Personal Finance 3

A study in problems confronting the individual or family in purchasing and budgeting for the household. Yearly.

203. Principles of Accounting 3

Prerequisite: Sophomore standing or consent of instructor. An introductory course intended to familiarize the student with the fundamental principles and methods of preparing and analyzing financial statements. Fall and Spring.

204. Principles of Accounting 3

Prerequisite: Business 203. An introduction to management's uses of accounting data for planning and control. Topics covered include: content and interpretation of the income statement and balance sheet; uses of cost accounting; budgetary planning and control; and internal reports for management. Fall and spring.

207. Business and Technical Writing 3

Instruction and practice in the various forms of practical communication, such as correspondence and reports. Fall 1979 and yearly. Same as English 207.

223. Computer—COBOL 3

An introduction to computer programming in the business oriented language COBOL. Hands on experience in writing, running and debugging programs will be provided. The application and problems will be primarily business oriented. (Same as Math. 223.)

305-306. Intermediate Accounting 3-3

Prerequisite: Business 204 or consent of instructor. An intensive study of basic accounting theory and procedures, with emphasis on balance sheet accounts and their interrelationships with income statement accounts. Yearly.

309. Cost Accounting 3

Prerequisite: Consent of instructor. The objectives and procedures of cost accounting for manufacturing firms. Topics covered include: job order and process cost systems; cost-volume-profit relationships; standard costs and variance analysis, direct costing; relevant costs; and capital budgeting. Fall.

310. Intermediate Cost Accounting 3

Prerequisite: Business 309. Advanced process cost procedures; "expected" and "basic" cost systems; special procedures for accounting for avoidable and unavoidable spoilage; fundamental of direct costing. On demand.

314. Advanced Journalism: Advertising and Public Relations 3

Prerequisite: English 211 or permission of Chairman of the Department. Analysis and evaluation of the mass media for advertising purposes; and principles and practice of public relations as they pertain to the communications media. (Same as English 314.)

315. Managerial Accounting 3

The use of data contained in accounting records by management in making decisions concerning pricing, expansion, production, and forecasting. Primarily for non-accountants, but helpful for accounting majors. On demand.



Centenary's Corporate Campus at Western Electric plant

321. Principles of Management 3

A study of organizational theory, policies, and procedures common to all institutions charged with the responsibility of achieving a common goal. Fall.

322. Personnel Management 3

Prerequisite: Business 321 or consent of instructor. A survey of the organization and administration of personnel departments, education and training policies, wage policies, and the maintenance of favorable industrial relations. On demand.

323. Business Law 3

A study of the legal aspects of business transactions. Introduction to personal property contracts as well as agency, partnership, negotiable instruments, sales and conditional sales contracts, and to the law of commercial paper. Fall.

324. Business Law 3

Prerequisite: Business 323. A continuation of 323 for those intending to take the CPA Examinations. Spring.

328. Human Relations 3

A study of individual, small group, and organizational behavior in the business setting. The problems of motivation and communications are studied in goal-oriented activity. On demand.

346. Principles of Marketing 3

A study of distribution of goods and services from producer to consumer. Channels of distribution, marketing functions, institutions, and costs. Spring.

395. Selected Topics 1-6

Prerequisite: Consent of instructor. A detailed study of an area of business not normally covered in regular business courses. On demand.

401-402. Internship in Administration 3-3

Designed to provide an opportunity for the student to expand his theoretical knowledge and practical application of administrative principles by first-hand experience in various public agencies. (Same as Government 401-402.)

403. Consumer Analysis and Behavior 3

Prerequisite: Business 346. A study of the motivation of consumer behavior as explained by a multi-discipline approach drawing from the behavioral and social sciences.

406. Marketing Policies and Problems 3

Prerequisite: Business 346. An advanced course in marketing problems with emphasis upon markets, distribution channels, product analysis, and pricing policies.

407. Advanced Accounting 3

Prerequisite: Consent of instructor. An intensive study of the application of fundamental accounting theory to a number of important fields and activities in business, with extensive use of CPA-type problems. Topics covered include: partnerships; special sales procedures; corporate combinations, an introduction to consolidated financial statements; and actuarial science. Yearly.

408. Quantitative Decision-Making 3

Prerequisites: Economics (301-302). A study of the development and use of quantitative analytical techniques in decision-making. Offered on demand.

409. Auditing 3

Prerequisite: Business 306. A study of auditing theory and procedures, special investigations; and the principal kinds of audits, working papers, and reports. Yearly.

411. Income Tax Accounting, I 3

Prerequisite: Business 306 or consent of instructor. The Internal Revenue Code and problems of the preparation of tax returns are studied as they relate to the individual. Emphasis on determination of income and statutory deductions in arriving at the net taxable income. Fall.

412. Income Tax Accounting, II 3

Prerequisite: Business 411. The Internal Revenue Code and problems of the preparation of tax returns are studied as they relate to partnerships, corporations, estates, and trusts.

414. Research Techniques and Forecasting 3

Prerequisites: Economics (301-302). the formulation of the problem, data sources and data problems, formulation of the hypothesis, and basic research design and techniques. On demand.

415. Managerial Computer Usage 3

Course offers guidelines for management on whether to install a computer, the relative advantages and disadvantages of the systems available, renting vs buying, and the legal implications of computer usage. Systems analysis is also covered.

418. Financial Accounting Theory 3

A study of concepts and procedures of financial accounting as stated in pronouncements and releases of the American Institute of Certified Public Accountants, the American Accounting Association and the Financial Accounting Standards Board.

420. Social Responsibility of Business 3

A study of the social role and responsibility of business consider-

ing both the internal and external environments of the firm. Evaluation of the social responsibility of the firm to the consumer, the employee and the management. Coverage of the values evidenced by the management of modern business. Junior standing.

425. Business Finance 3

A study of the channels for obtaining capital for corporate promotion, expansion, and reorganization; Financial management analysis. Fall.

426. Investments 3

A study of the principles and problems determining sound investment policy. Spring.

471. Independent Study 1-6

A reading and research course open to seniors by invitation.

I-99. Interim Studies 3

Special topics offered in the January Interim.



Chemistry

Professor: S.A. Taylor, *Chairman*

Professor: Seidler

Assistant Professor: Zawalski

The Chemistry Department offers a program of sufficient flexibility to serve three types of students: (1) those who wish to prepare for a career in chemistry and serve in industry and those who wish to prepare for advanced studies in chemistry; (2) those who expect to use chemistry in other occupations or professions; (3) those who desire chemistry for a broader background in science and an introduction to the scientific method of thought.

The Centenary College Chemistry Department is one of a number approved by the American Chemical Society for the training of chemists.

Students who are interested in chemistry as a career and those who intend to pursue advanced studies should elect the program leading to the Bachelor of Science Degree and, in addition, take those courses which meet the standards recommended by the American Chemical Society for the professional training of chemists. Those who do not plan to pursue advanced studies but who are interested in a field where a sound knowledge of chemistry is required may elect the program leading to the Bachelor of Science Degree.

As an alternative to the B.S. Degree, the Chemistry Department offers a program leading to the Bachelor of Arts Degree with a major in chemistry. Students who desire a pre-professional background which prepares them for further studies in such areas as medicine, dentistry, veterinary medicine, law, business, or secondary education may elect the program leading to the Bachelor of Arts Degree. There is sufficient flexibility in the B.A. program so that a student who is interested in combining a business career with a chemistry background may do so with the proper choice of electives in the business and economics area.

High school students should note that their likelihood of success in any of these programs is greatly enhanced if their high school studies include chemistry, physics, two years of algebra and trigonometry, and one year of advanced mathematics.

Once a student enrolls in one of the programs, he is cautioned that certain chemistry (and other) courses must be taken in an appropriate sequence. Failure to



Stanton Taylor, Chairman of the Department of Chemistry

observe the sequence may result in course scheduling difficulties and lead to a delay in graduation.

High school students who have had the equivalent of college level courses in chemistry or who have made acceptable scores on Advance Placement or CLEP tests should consult with the Department Chairman about modification of their plan of study.

Departmental Honors in Chemistry

In order for a student to be considered for admission to the Departmental Honors Program in Chemistry, he must meet the general College Requirements for admission to such programs.

Major Requirements

Bachelor of Science (American Chemical Society Accredited):

Chemistry Courses: General Chemistry 101, 102, 111, 112; Organic Chemistry 201, 202, 211, 212, Analytical Chemistry 301, 311; Physical Chemistry 351, 352; Instrumental Analysis 392; Inorganic Chemistry 401, 411; Organic

Synthesis 421; two advanced courses selected from chemistry, physics, or mathematics; Chemistry Seminar 440.

Supportive Courses: Physics 108, 118, 209, 219, 211; Mathematics through 202. A reading knowledge of German is recommended for those intending to pursue graduate studies.

Bachelor of Science:

Chemistry Courses: General Chemistry 101, 102, 111, 112; Organic Chemistry 201, 202, 211, 212; Analytical Chemistry 301, 311; Physical Chemistry 351, 352; Instrumental Analysis 392; Chemistry Seminar 440; two additional chemistry courses numbered 300 or above.

Supportive Courses: Physics 108, 118, 209, 219, 211; Mathematics through 202. One year of foreign language is recommended.

Bachelor of Arts:

Chemistry Courses: General Chemistry 101, 102, 111, 112; Organic Chemistry 201, 202, 211, 212; Analytical Chemistry 301, 311; Physical Chemistry 351, 352 or Chemistry 321, 322, 324; Chemistry Seminar 440.

Supportive Courses: Physics 108, 118, 209, 219; Mathematics through 201; one year of foreign language.

101-102. General Chemistry 3-3

First semester: A study of the principles of stoichiometry, chemical thermodynamics, the physical properties and behavior of gases, and an introduction to atomic and molecular structure.

Second semester: A study of the chemistry of the elements, and of the quantitative aspects of chemical equilibrium. Yearly. Labs must be taken with the course unless the lab course has been previously passed.

111-112. General Chemistry Laboratory 1-1

Prerequisite: Concurrent registration in or credit for the corresponding lecture course, 101, or 102. Laboratory work designed to accompany Chemistry 101-102. Work includes a study of the techniques and applications employed in chemical investigations. Laboratory exercises in the second semester include selected gravimetric and volumetric analyses, and a study of selected inorganic qualitative analyses. Yearly. (3 laboratory hours a week.)

105. Chemistry, Science and Man 3

A course which examines the relation of science, chemistry in particular, with other enterprises of the human spirit—education, society, government, philosophy, and technology—and considers some of the complicated problems which these relations pose.

115. Chemistry, Science and Man Laboratory 1

The laboratory work involves individual or group projects, experiments, demonstrations, or seminars. All work is designed to accompany the lecture.

201-202. Organic Chemistry 3-3

Prerequisites: Chemistry 102, 112. A study of the chemistry of organic compounds. These studies are based on molecular structure, the properties due to functional groups, and the mechanisms by which reactions occur. Yearly.

211-212. Organic Chemistry Laboratory 1-1

Prerequisite: Concurrent registration in or credit for the corresponding lecture course 201 or 202. The laboratory work is on a semi-micro scale. The second semester includes introductory qualitative organic analysis. Yearly. (3 laboratory hours a week.)

301. Analytical Chemistry 3

Prerequisites: Chemistry 102, 112, and Mathematics 201. A study of the theory of analytical separations and the principles and methods of quantitative chemical analysis, with emphasis on the application of equilibrium theory to analytical problems. Yearly.

311. Analytical Chemistry Laboratory 2

Prerequisite: Concurrent registration in or credit for Chemistry 301. Laboratory work dealing with the various separation and purification techniques and with gravimetric, volumetric, potentiometric, and colorimetric methods of analysis. Yearly. (6 laboratory hours a week.)

321. Biochemistry I (Same as Biology 321) 3

Prerequisites: Chemistry 202, 212. A study of the organic, physical, and structure-function relationships of biomolecules and their catabolic processes.

322. Biochemistry II (Same as Biology 322) 3

Prerequisite: Chemistry 321. A study of biochemical systems and the relation of biochemical functions to molecular structure. Yearly.

324. Biochemistry II Laboratory 1

Prerequisites: Chemistry 301, 311 and credit for or concurrent registration in Chemistry 322. Laboratory study designed to demonstrate biochemical techniques and methodology. (3 laboratory hours a week.)

351-352. Physical Chemistry 4-4

Prerequisites: Concurrent registration in or credit for Chemistry 301, 311, Mathematics 202, and Physics 211. Principles of theoretical chemistry with emphasis on thermodynamics, chemical kinetics, electrochemical systems, and atomic and molecular structure. Laboratory work includes physiochemical measurements and laboratory experiments which confirm and amplify the principles of theoretical chemistry. Yearly. (3 laboratory hours a week.)

392. Instrumental Analysis 4

Prerequisite: Concurrent registration in or credit for Chemistry 352. A study of the theory and application of instrumental methods for separation and analysis. Emphasis is on spectrometric, electrochemical, and chromatographic methods. Yearly. (2 hours lecture, 6 laboratory hours each week.)

395. Selected Topics 3

Prerequisites: Junior standing and consent of the instructor based upon adequate preparation in chemistry, physics, and mathematics. A detailed study of an area of chemistry not normally covered in the regular chemistry courses. Topics may include organic reaction mechanisms, heterocyclic chemistry, nuclear chemistry, environmental chemistry. May be repeated once for credit when a different topic is offered. Offered on demand.

- 398. Colloquium, Oak Ridge Semester** 1
Prerequisites: Junior standing and admission by SCUU Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff at Oak Ridge National Laboratory under supervision of resident SCUU Faculty. (Same as Biology 398/Math 398/Physics 398)
- 399. Research, Oak Ridge Semester** 1-6
Prerequisites: Junior standing and admission to the program by the SCUU Selection Committee. Research performed through participation in the SCUU-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as Biology 399/Math 399/Physics 399)
- 400. Chemistry Internship** 3
Prerequisites: Junior standing and recommendation of the Chemistry Department Faculty. Work in an industrial or research laboratory for a minimum of 120 hours. A written and oral report on the work conducted is required. Offered on demand.
- 401. Advanced Inorganic Chemistry** 3
Prerequisite: Chemistry 352. A systematic study of the chemistry of the elements and their compounds based upon physical-chemical concepts. Yearly.
- 411. Inorganic Preparations** 1
Prerequisite: Concurrent registration in or credit for Chemistry 401. Preparation, purification, and characterization of selected inorganic compounds according to different types of synthetic techniques. Offered on demand. (3 laboratory hours a week.)
- 421. Organic Synthesis** 2
Prerequisites: Chemistry 202, 212. A study of selected organic synthetic methods. Offered on demand. (6 laboratory hours a week.)
- 431. Advanced Analytical Chemistry** 3
Prerequisites: Chemistry 392. Primary a laboratory course which applies the fundamental principles of analytical chemistry to the separation, purification, identification, and quantitative analysis of organic, inorganic, and metallo-organic substances and mixtures. Offered on demand. (1-6).
- 440. Chemistry Seminar** 1
Prerequisites: Junior standing. Presentation and discussion of current research being performed by the individual student, chemistry faculty, or research as reported in the current literature. Alternate years.
- 450, 451. Independent Study** 1-6
Prerequisites: Junior standing and consent of the instructor based on adequate preparation in chemistry, physics, and mathematics. Research on an assigned problem. A written report and an oral presentation of the work is required. Offered on demand.
- I-99. Interim Studies** 3
Prerequisite: Consent of the instructor based upon adequate preparation in chemistry, physics, and mathematics. Special topics offered in the January Interim.





Robert Hallquist, Professor of Education

Education

Professor Garner, *Chairman*
 Professors: Gwin, Hallquist
 Visiting Professor: Hardaway
 Lecturers: Elrod, Towery

Education Objectives and Purposes

The department has responsibility for the teacher-education curriculum of the College, and it also provides elective courses in education for those interested. Its objectives and purposes are to provide experiences which will enable each prospective teacher to (1) communicate effectively with the written and spoken word; (2) function in a democratic society, cognizant of the importance of themselves, their families and their relationships with others; (3) acquire the various competencies necessary for good teaching. A small teacher-pupil ratio allows each professor to recognize each student as a unique individual with specific needs and to structure courses in such a way as to encourage individuality and creativity. Each candidate for teaching is made aware of the importance of the interrelation of good health and emotional habits, high spiritual values and their effects on the act of teaching.

All students enroll in the tutorial and clinical program, and not in formal courses in professional

teacher education. In the Clinical-Tutorial Program (the first of its kind in any liberal arts college), the student works with a tutorial professor in an individualized schedule of readings, seminars, lectures and independent study in the theory of education. Practice is gained by the students in concurrent clinical experiences in a variety of local schools and agencies. The students are taken through a carefully planned sequence of observing, aiding, and substituting for master teachers. These master teachers are employed by the local schools and they hold appointments as lecturers in education at Centenary College. Students are supervised by both tutorial professors and the master teachers throughout the program.

The teacher-education program meets the requirements for teacher certification in Louisiana. Candidates for teaching certificates in the state must fulfill the requirements for elementary or high school certification. The student teaching required for certification is done in schools in this geographical area. The department provides a Teacher Placement Bureau for all who are registered in the program.

Counseling

Each student must complete three hours of counseling prior to entering the teacher education program. The counseling relates to the teaching aptitude of the student and to job availability. The counseling is not a part of the teacher education program.

Grade Point Average

A student must attain a 2.20 average in all course work attempted as a condition for entry into the teacher education program.

A student must achieve at graduation from an approved teacher education program, a 2.50 average in all work taken in the College.

Degree Plan

Each student majoring in elementary education or certifying in secondary education must, in consultation with his adviser, complete a degree plan. This plan, endorsed by student and adviser, is filed with the Registrar prior to achieving junior standing. Students certifying at the secondary level must, also, have the signature of the secondary education representative on the degree plan, or it will not be accepted by the Registrar.

No student will be considered for formal acceptance into the Education Department by the Teacher Advisory Council prior to the degree plan being filed.

Student Teaching

Elementary certification—All courses, with the exception of Education 310 and 412, must be completed before student teaching semester.

Secondary certification—All courses, with the exception of Education 310 and 412 must be completed before the student teaching semester. An exception will be a course in your major which is only offered the semester in which you plan to student teach.

National Teachers Examination (NTE)

In order to become certified, a person must pass the National Teachers Examination. Minimum test scores include the total of the score on the general portion of the test (Common) and the score on the specialized subject (Area). Minimum scores must be as follows:

Art	Common Score of 534
Biology and General Science	1154
Chemistry, Physics and General Science	1114
Early Childhood (Kindergarten)	1100
Elementary	1131
English Language and Literature	1052
French	1108
German	1091
Mathematics	1232
Music Education	1120
Physical Education	1135
Social Studies	1149
Spanish	1124
Speech, Communications and Theatre	1126

Administrative Requirements

All students planning to certify as teachers must by the end of the sophomore year petition the Teacher Education Advisory Council for acceptance into the Department of Education. They must meet certain requirements of oral and written communication, health, and appearance as determined by the TEAC. An "area of concentration" in academic subjects is encouraged for elementary education majors. Each person certifying to teach at the secondary level is encouraged to attain certification in at least two subjects.

No course listed below may be taken pass/fail and no final grade below a "C" will be accepted by the State Department of Education in any professional or specialized academic education course which is required for certification, regardless of overall grade average.

Professional education courses include the following:

Education 211-212
Education 331-332, 431

Education 341-441

Education 351-352, 451

Education 310, 411-412

Psychology 211, 221

Specialized academic education courses at the elementary level include the following:

Art 207

Education 205

History 207

Music 329

P.E. 239 and 357; 221, 321, or 424

Speech 101 or 200

Specialized Academic education courses at the secondary level include the following:

Art major—All Art courses

English major—All English courses

Foreign Language major—All Foreign Language courses

Mathematics major—All Mathematics courses

Music major—All Music courses

P.E. major—All P.E. courses (Including required Biology courses.)

Science major—All Science courses

Social Studies major—All Social Studies courses

Speech major—All Speech courses

Only students in good academic standing may participate in the professional education courses. Please refer to Academic Probation, page 30.

General Education Requirements

The general education requirements for teacher certification at the elementary and secondary levels are as follows: 12 semester hours in English, which must include three hours in grammar and three hours in composition; 12 semester hours of laboratory science (of which at least four hours must be in biological science and at least four hours in a physical science); six hours in mathematics; 12 hours of social studies, which must include three hours in U.S. history; and four hours of physical education.

Major Requirements

A major in education is available only to students intending to teach in the elementary school. Students proposing to teach on the secondary level must complete the major requirements of another discipline, and complete the requirements for certification.

ELEMENTARY: For the B.S. in Elementary Education, the student must complete Education 211-212, 331-332, 431, and Psychology 211. In addition to courses meeting the College's distributive requirements and the General Education requirements, elementary education majors must complete Educa-

tion 205, Art 207, Mathematics 115, Speech 101 or 200, Geography 205 or 206, History 207, Physical Education 239, 357 and 2 hours of electives, Music 329, Education 310, 411-412, Psychology 221, and six hours of English beyond English 101-102.

EARLY CHILDHOOD: Early childhood certification can be met if the elementary education major takes Education 351, 352, and 451.

TEACHER OF EXCEPTIONAL CHILDREN: The fifteen semester hours of basic requirements offered are Psychology 211, 221, 312 and Art 207 and 210.

SECONDARY: Secondary teacher candidates must, in addition to completion of the College's distributive requirements, the General Education requirements, and those of department major, complete Education 211-212, 341-441, six hours of reading, and Psychology 211.

B.A. in Social Studies Education

This new degree is created for those students who wish to certify in Social Studies but do not desire a major in either History or government.

History: 101, 102, 205, 206, 207, 9 hours at 300 level	24
Government: 201, 207 or 210 or I-99	6
Geography	6
Economics	3
Sociology:	3
Education: 211-212, 341, 310, 411 or 412, 441	24
Psychology: 211	3
English: 101-102, 201, 300 level	12
Science: Biology 101 and lab, Physical Science and lab, other and lab	12
Mathematics: 105, 3 hours more	6
Foreign Language: One year	6-8
Philosophy or Religion:	3
Art Appreciation or Music Appreciation	3
Physical Education:	4
General Education: 101-102	2
Interim: Sociology or Economics or Math or Government, 6 hours	0
Electives:	7-5

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Subject Fields (Secondary Education)

The minimum requirements for the various subject fields, in addition to general education and professional education, are as follows:

ART: (Grades 1-12) A minimum of 30 semester hours grouped under the following categories: drawing

and painting, design, appreciation and history, crafts, color.

ENGLISH: A minimum of 27 semester hours including the 12 hours in the general education requirements. (The total program in English shall include 6 semester hours in grammar and composition above the freshman level.) Six hours of reading (Education 310 and 412) are required.

FOREIGN LANGUAGE: A minimum of 24 semester hours in a language or 18 semester hours if taken above the first-year college level.

MATHEMATICS: A minimum of 20 semester hours including the general education requirements and to include at least 3 semester hours in calculus. Only 9 semester hours may be earned in freshman mathematics.

MUSIC EDUCATION: (Grades 1-12)

(1) Vocal music: 62 semester hours as follows:

- Preparation in musicianship (theory, music history and appreciation, and conducting) 32 semester hours
- Applied music (must include a minimum of 18 semester hours in voice, plus a basic command of functional piano technique) 30 semester hours

(2) Instrumental music (including band and orchestra): 62 semester hours as follows:

- Preparation in musicianship (theory, music history and appreciation and conducting) 30 semester hours
- Applied music (must include credit in piano, woodwind, brass, strings, and percussion instruments) 30 semester hours

(3) Vocal and instrumental music (excluding piano): 82 semester hours as follows:

- Preparation in musicianship (theory, music history and appreciation, and conducting) 32 semester hours
- Applied music (must include credit in piano, voice, woodwind, brass, string, and percussion instruments with not less than 15 hours in vocal music, and 15 hours in instrumental music) 50 semester hours

NOTE: Preparation for teaching vocal and instrumental music shall be recognized as a 5-year program of studies.

(4) Piano: 62 semester hours as follows:

- Preparation in musicianship (theory, music history and appreciation, and conducting) 32 semester hours
- Applied music (must include a minimum of 18 semester hours in piano) 30 semester hours

PHYSICAL EDUCATION: (Grades 1-12)

- (1) The minimum requirements for certification in physical education (including coaching) will require a total of 24 semester hours.
 - a. Foundations (organization and administration, history and principles, and/or curriculum construction) 6 semester hours
 - b. Basic science (human anatomy, physiology, kinesiology) 6 semester hours
 - c. Skills and techniques (including not more than 4 semester hours in coaching) 8 semester hours
 - d. First aid (or care of athletic injuries) 1 semester hour
 - e. Correctives, evaluation, and/or other areas 3 semester hours
- (2) The minimum requirements for certification in health and safety education will require a total of 22 semester hours.
 - a. Health and safety education (including principles, organization, and administration of the school health program, basic nutrition, study of health hazards, personal and community health problems, prevention and control of communicable diseases, healthful environment) 6 semester hours
 - b. Health methods and materials (including health services, health screening, use of modern health resources) 6 semester hours
 - c. Basic science (human anatomy and physiology) 6 semester hours
 - d. General safety education 3 semester hours
 - e. Combined certification of physical education and health and safety education will require a total of 39 semester hours in which the basic sciences and first aid should not be repeated.

SCIENCE: A minimum of 24 semester hours in science, including that required in general education.

Certification in general science shall include a minimum of 6 semester hours in physics, 6 semester hours in biology, 6 semester hours in chemistry, and 6 semester hours in earth science.

An additional 8 semester hours are necessary in each science field or fields in which the teacher applies for certification.

SOCIAL STUDIES: A minimum of 30 semester hours including the general education requirements to be distributed as follows:

- (1) History
 - a. United States History 6 semester hours
 - b. Louisiana History 3 semester hours
 - c. Western Civilization or World History 6 semester hours

- (2) United States Government 3 semester hours
- (3) Geography 6 semester hours
- (4) Economics 3 semester hours
- (5) Sociology 3 semester hours

SPEECH: A minimum of 30 semester hours to include the following:

- (1) Fundamentals of public speaking 3 semester hours
- (2) Debate 3 semester hours
- (3) Oral interpretation 3 semester hours
- (4) Broadcasting 3 semester hours
- (5) Theatre
 - Directing 3 semester hours
 - Production 3 semester hours

102. Foundation of Education 3
A study of minor movements and issues in education. Offered in Summer Session only.

200. Educational Psychology 3
A study of the psychological adjustments of the typical student in American schools. Oriented toward the problems of the usual classrooms. Offered in Summer Session only.

205. Children's Literature 3
A survey of children's literature through the ages, with special attention to developing a love of reading and a knowledge of genres and motifs and to related literary matters like vocabulary-building, knowledge of other cultures, and where appropriate, history and biography.

211-212. Sophomore Tutorials in Education 3-3
An investigation of the history of education and the social and philosophical foundations of education. The role and relevance of psychology in the learning process. Participation in a series of observations in community-agency learning situations. Student teaching experiences in a variety of school settings. An individualized schedule of readings and seminars. Yearly.

310. Survey of Reading 3
An overview of the total skills programs: approaches to reading instruction; a survey of reading programs for the average, gifted and disabled reader. Presents a comprehensive knowledge of the literature on the teaching of reading.

331-332. Junior Tutorials in Elementary Education 3-3
Prerequisites: Education 211-212. Psychology 211, and acceptance by TEAC. A study of materials, methods, and problems of teaching and learning in the elementary school. Planned participation in elementary school classrooms as a teacher's aide. An individualized schedule of reading and seminars. Yearly.

341. Junior Tutorials in Secondary Education 3
Prerequisites: Education 211-212, Psychology 211, and acceptance by TEAC. A study of materials, methods, and problems of teaching and learning in the secondary school. Participation in secondary school classrooms in planned teaching settings to include observation and teaching. An individualized schedule of reading and seminars.

351-352. Junior Tutorials in Early Childhood Education 3-3
A study of the understanding of the social, emotional, and intellectual needs of the kindergarten child as these relate to curriculum, equipment, teaching aids, and teaching procedures. Participation in kindergarten classrooms will supplement classroom activities. Yearly.

395. Selected Topics 3

A detailed study of an area in education not normally covered in regular education courses. On demand.

411. Teaching of Reading in the Elementary School 3

A survey of methods, materials, and theories with emphasis on mastering reading skills. Observation and work with children are required along with two hours of classwork. Students will design materials which they will use with pupils to stimulate interest in reading for enjoyment and information.

412. Teaching of Reading Practicum 3

Major emphasis is placed on teaching the reading skills to individuals and small groups of children. Teacher accountability will be stressed as they work with diagnosing reading needs and applying prescriptive teaching techniques as corrective measures. Current literature will be surveyed.

431. Senior Tutorials in Elementary Education 9

Prerequisites: 331-332. Intensive practice teaching under the supervision of a master teacher and College Faculty. Yearly.

441. Senior Tutorials in Secondary Education 9

Prerequisite: 341. Intensive practice teaching under the supervi-

sion of a master teacher and College Faculty. Yearly.

451. Senior Tutorials in Teaching in Early Childhood Education 3

Prerequisites: 351-352. Observation and practice teaching in the kindergarten. Yearly.

499. Workshop in Alcohol and Drug Studies 3

The Deep South Summer School of Alcohol and Drug Studies is conducted annually at Centenary during the first part of July. This one-week course is designed to fill a need for practical training for those interested in the problems of alcoholism and drug abuse. Its goal is to present the latest scientific information about alcohol and other drugs; to discuss and analyze the reasons for use and non-use; to explore historical and contemporary attitudes; to develop a better understanding of the problems related to drug use and how to deal with them; to provide information, materials, and techniques of alcohol and drug studies for instruction in the school, church, home and community. A staff of nationally recognized experts has been recruited.

I-99. Interim Studies 3

Special topics offered in the January Interim.





Lee Morgan, Chairman of the Department of English

English

Professor Morgan, *Chairman*

Professor: *Labor*

Associate Professor: *Gallagher*

Assistant Professors: *Hall, Nass*

Visiting Professor: *Hannah*

Lecturers: *Weems, Mitchell, Carter, Crawford*

The purpose of courses in English for all students is to develop skill in written communication and to develop critical judgment and appreciation of the work of major writers in relation to their social and intellectual background. The department prepares its majors for teaching in secondary schools, for admission to graduate and professional schools, and indeed for an occupation where liberal education and language competency are the important requisites.

Major Requirements

For a B.A. in English, a student must fulfill the College requirements for a degree, including within them the following:

1. Credit for English 101-102.
2. Art 101 or 102, and Music 143 or 144;
3. Credit through the third year of a foreign language or through the intermediate level of two foreign languages;
4. Eighteen semester hours in English beyond

205-206, including at least twelve hours from the following: 301, 302, 303, 304, 307; with six additional hours of electives from 300, 305, 306, 308, 400, 401, 405, 407.

Prerequisite for all courses numbered 300 and above: consent of the instructor. All majors must take English 205, 206: Survey of British Literature (both semesters). Majors expecting to be certified to teach at the secondary school level must take English 309 and 310.

100. Fundamentals of Grammar 3

An intensive review of grammar designed to improve writing and reading performance and to prepare students for English 101. Intended for and required of those whose performance in high school and on achievement tests indicates a deficiency in verbal skills. This course will not count in the 124 hours for graduation. Offered each semester.

101. Grammar and Composition I. 3

An intensive review of grammar, the reading of non-fiction, and the writing of expository prose with an emphasis on the paragraph and the 500-word theme. Required of all students who have not earned exemption and credit by passing the English 101 Exemption Test given by the English Department. Students may take this test if they present a score in the upper 25th percentile of any of the following tests: SAT Verbal, ACT English, CLEP English, Advanced Placement English Composition and/or Literature. Offered each semester.

102. Grammar and Composition II. 3

A continuation of grammar, reading, and expository prose especially précis, summaries, synopses, and a research paper. Required of all students. Offered each semester.

(103-104). Introduction to the English Language I-II 3-3

A two-semester course designed primarily for foreign students but open without credit to any student whose English deficiencies can be helped by it. Emphasis on pronunciation, the structure of English, vocabulary-building, reading comprehension, and elementary writing skills culminating in the paragraph. Offered yearly.

(105-106). Introduction to the English Language III-IV 3-3

A continuation of (103-104) with emphasis on the reading of general interest magazines (105) and technical and scholarly articles in the student's major (106). Writings geared to the readings; for example, précis, summaries, analysis, exposition, and research reports. Offered yearly.

201. Introduction to Literature 3

Prerequisite: English 101-102. An introduction to representative types of fiction, drama, and poetry, with continuing emphasis on writing. Offered each semester.

202. Seminars in Literature 3

Prerequisites: English 101-102 and 201 or their equivalents. Courses in which each class section deals with a different topic (e.g. satire, myth and archetype, Anglo-Irish literature, psychological fiction, science fiction, styles of film, etc.). Selections are studied as esthetic creations and as illustrations of the topic under consideration. Readings cut across genres and national literatures. Topics change from semester to semester. May be elected for up to

nine hours credit, but individual topics may not be repeated. Offered each semester.

205, 206. Survey of British Literature 3, 3

Prerequisites: English 101 and 102 or their equivalents. A survey of British poetry, prose, and drama from the beginnings to the present. The first semester includes writings from the Middle Ages through the eighteenth century; the second semester includes writings from the nineteenth and twentieth centuries. Offered yearly.

207. Business and Technical Writing 3

Instruction and practice in the various forms of practical communication, such as correspondence and reports. Fall 1979 and yearly. Same as Business 207.

211. Introduction to Journalism 3

A survey of mass communications media, their purpose and methods of operation. Designed to give students an overview and an understanding of the importance of communications media in modern society. Fall 1980 and alternate years.

299. Creative Writing 3

Prerequisites: English 101 and 102, and 201 and submission of a writing sample no later than sixty days prior to the beginning of the course. An advanced course in composition and writing for students interested in producing original pieces of prose, verse, or drama. Fall 1979 and alternate years.

300. Pre-Renaissance Classics in Translation 3

A critical and historical study of representative Greek and Roman epic and lyric poetry and of drama, and of the medieval synthesis exemplified by Dante. Emphasis is both on the literary value of the works and on their relevance to the Western cultural tradition. Spring 1980 and alternate years.

301. The Literature of the Middle Ages 3

A study of the principal works of poetry of medieval English literature. A number of works are read in modern translation. Fall 1979 and alternate years.

302. The English Renaissance 3

A study of English poetry, prose, and drama of the sixteenth to mid-seventeenth centuries, exclusive of Shakespeare. Spring 1980 and alternate years.

303. Restoration and Eighteenth-Century Literature 3

A study of the representative literature from 1660 to 1798, exclusive of the novel. Special attention to Dryden, Swift, Pope, Goldsmith, and Johnson. Fall 1980 and alternate years.

304. Romantic and Victorian Literature 3

A study of the major works from 1798 to 1900, exclusive of the novel. Spring 1981 and alternate years.

305. Modern British Literature 3

A study of significant British writers from the late nineteenth century to the present. Fall 1980 and alternate years.

306. The English Novel to 1900 3

A study of the English novel from its beginning through the 19th century, with particular attention to historical and artistic influences. Spring 1981 and alternate years.

307. Survey of American Literature, 1630-1870 3

A survey of American writing from colonial times to about 1870. Fall 1979 and alternate years.

308. Survey of American Literature, 1870 to the Present 3

A survey of American writing from about 1870 to the present, with attention to trends in the development of modern American literature. Spring 1980 and alternate years.

309. History of the English Language 3

A survey history of the language and an introduction to linguistics. Particular attention paid to phonology, morphology, and syntax and to key concepts in descriptive linguistics and grammar. Compositions include short, analytical expository themes as well as a research paper. Fall 1980 and alternate years.

310. Advanced English Grammar and Composition 3

A descriptive study of the structural logic and idiom of the English sentence and of the creation of precise, functional composition. Spring 1980 and alternate years.

312. Advanced Journalism: 3

Reporting and Feature Writing, Factual writing for print and broadcast. Extensive practice in types of news stories and some features. Reporting techniques and news gathering, with interviewing emphasized. Study of human interest factors, literary devices, and news media feature markets. Discussion of reportorial responsibility including news values and objectivity. Readings in outstanding reportage of the past. Spring 1980 and alternate years.

313. Advanced Journalism: 3

Editorial Persuasion and Critical Writing, Intensive and directed practice in writing editorial opinion and critical reviews of the fine and popular arts for the mass media. Development of critical theories for the evaluation of individual works with emphasis on literature, drama, film, and music. Fall 1980 and alternate years.

314. Advanced Journalism: 3

Advertising and Public Relations, analysis and evaluation of the mass media for advertising purposes; and principles and practice of public relations as they pertain to the communications media. Spring 1980 and yearly. Same as Business 314.

400. Literary Criticism 3

A study of the background and development of modern literary criticism, with particular emphasis upon its development after Coleridge. The influences of literary theory, the various critical theories of this century, and the problems of practical criticism are the concerns of lectures, class discussions, and papers. Spring 1980 and alternate years.

401. Shakespeare 3

A study in depth of selected plays. The arrangement is basically chronological; and examples of histories, comedies, and tragedies are included. Fall 1979 and yearly.

405. Studies in Representative American Writers 3

Intensive reading in major writers who represent significant trends in the development of American literature. Considerable work in bibliography and research, with presentation of individual papers. Fall 1980 and alternate years.

407. Independent Study 1-6

Prerequisites: Senior standing and permission of the Chairman of the Department. Either semester of senior year. The writing of a thesis and an oral examination at the end of the semester are the core of the course. The Chairman of the Department appoints a committee of not fewer than three faculty members to guide each student and to conduct the oral examination. Regular class sessions are not required, but the faculty members arrange seminar discussions when circumstances warrant such meetings. A copy of the thesis is filed with the Chairman of the Department. Offered each semester.

I-99. Interim Studies 3

Special topics offered in the January Interim.



Vickie Gottlob, Associate Professor of French

Foreign Languages

Associate Professor Penuel, *Chairman*
Associate Professors: Gottlob, Watts
Lecturer: E. Crawford, Graef, Wilson

The program in Foreign Languages at Centenary is designed to provide the student with a knowledge of the foreign language and culture which will be useful to him practically, intellectually and professionally.

Practically, we seek to equip the student with the ability to understand, speak, read and write the language. To this end the foreign language is used extensively, in some courses exclusively, in the classroom; two modern language laboratories direct the student's study both in and out of class.

Intellectually, the study of a foreign language and the culture embodied in that language will not only provide the student with an invaluable insight into the nature and structure of language as such, and language as a medium which shapes feelings and thoughts, but will also deepen his understanding of his own language and culture.

Professionally, the knowledge of a foreign language may be a valuable adjunct to a successful career in many fields in a world becoming ever smaller, or be the basis for a career in itself, for example, in the diplomatic service, foreign trade, international law, airlines, the FBI, and teaching.

Extramurally, Centenary affords its students opportunities for study abroad through its membership in the Southern College University Union (See page 96), CODOFIL (see p. 96) and through a variety of other study-abroad programs of quality.

For information regarding departmental scholarships please write the Chairman of the Department.

Placement

For the new student who has studied a language in high school, the following placement in a course at Centenary is the normal one in lieu of a placement examination. It must be stressed, however, that these are only general guidelines, and that under particular circumstances such as a year's absence or more from study, or residency in a foreign country, special placement is made after consultation with the Department. The general principal underlying placement procedure is that one unit of high school language is equivalent to one semester of college study.

Foreign Language in High School

1 or 1½ years
2 or 2½ years
3 years

Course Placement at Centenary

101
201
200 or (permission)
300 level
4 years Consult with Department

Major Requirements

A major is offered in French or Spanish, and a combination major in any two of the languages offered.

For the B.A. in French or Spanish, the student must successfully complete 21 semester hours in courses numbered above 202.

For the combination B.A. in Foreign Languages major, the student must complete, in courses numbered above 202, 9 semester hours in a major language and 3 semester hours in a minor language. (An additional 3 hours in the minor is recommended.)

These majors also require the following supportive courses: twelve semester hours in English courses above 102, including 300, and either 309 or 400 according to the student's emphasis on language or literature; three semester hours in Religion 103 or 104; three semester hours in Philosophy. (Strongly recommended are 3 additional hours in Religion or Philosophy, and 6 hours in Fine Arts.)

A major may be admitted to the Department's

Honors Program if he has attained junior standing and meets the other requirements. (See page 34 of the Catalogue.) For details, consult the Department Chairman.

NOTE: In addition to three class hours weekly, two hours of work each week in the language laboratories are an integral part of all courses in the Department numbered (101-102).

Departmental Program: Business/Spanish Coordinate Program

This coordinate program with the Department of Economics and Business is designed to prepare the business student to work in a Spanish-speaking country or a Spanish-speaking area of the United States. The student admitted to this program will normally major in business and will receive a B.S. degree. The Economics-Business requirement are Economics 201-202, and (301-302); Business 203-204, 321, 323, 346, and an elective 300 or 400 course. The Spanish requirements beyond 202 are 206, 305, 303 or 431. Certain of these courses are flexibly designed to permit the student to familiarize himself with the specialized vocabulary and literature of his field of interest. Additional requirements are Government 207 and History 341, 342. Inquiries concerning the program should be addressed to Dr. Arnold M. Penuel in care of the Foreign Languages Department.

Departmental Courses

Foreign Language 100: Greek and Latin Elements in Specialized English Terminology. No knowledge of Greek or Latin required. Analysis of English word formation from Greek and Latin elements for the prospective student in medicine, dentistry, law, and graduate work in the arts and sciences.

Foreign Language 300: Study Abroad (Credit evaluated)
Centenary-approved enrollment in courses pursued abroad, such as concurrent registration in exchange programs through SCUU, and CODOFIL.

Foreign Languages 400: Practicum for Foreign Language Majors

1-3

Prerequisites: Completion of three years of a foreign language in college or equivalent, and permission of the instructor. This course involves the student in the practical application of his foreign language to: the teaching-learning experience; tutoring and help-sessions for his fellow students; presentations to lower-level courses; monitoring of short-wave broadcasts; translations, etc.

Foreign Language I-99: Interim Studies

Special topics offered in the January Interim. Some typical courses in recent years have been: Introduction to Linguistics; Spanish and Spanish-American Literature in Translation; French Women Writers in Translation.

French

(101-102). Elementary French

4-4

The verbal-active approach with emphasis on all four language skills: comprehension, speaking, writing, reading.

201-202. Intermediate French

3-3

Prerequisites: French (101-102) or equivalent. Review of basic grammar. Introduction to French civilization in 201, French literature in 202. Work on all language skills with emphasis on reading and composition in 202.

305. Advanced Conversation and Diction

3

Prerequisites: French 201-202 or permission. Required of all French majors, and strongly urged for those planning to teach in the public schools. Systematic treatment of French phonetics with practical applications. Oral work concentrated on the more complex grammatical constructions and idioms, designed to increase the student's command of contemporary French. Intensive use of laboratory tapes featuring native speakers. Offered Fall, 1979 and alternate years.

306. Advanced Composition and Stylistics

3

Prerequisites: French 201-202. Required of all French majors, and strongly urged for those planning to teach. Study of stylistic elements in French poetry and prose. Translation of sophisticated English texts into French as well as original composition in French. Offered Spring, 1981 and alternate years.

395. Selected Topics

3

Prerequisites: French 201-202 or equivalent. Study in some area of French literature not covered elsewhere, e.g., Medieval Literature, The New Novel, Black French Literature. Individual topics may not be repeated for credit. Offered upon demand.

417. Literature of the Seventeenth Century

3

Prerequisites: French 201-202 or equivalent, English 201. Study of seventeenth century French writers such as Corneille, Moliere, Racine, La Rochefoucauld, Pascal, La Fayette. Offered Fall, 1980 and alternate years.

418. Literature of the Eighteenth Century

3

Prerequisites: French 201-202 or equivalent, English 201. Study of eighteenth century French authors such as Voltaire, Diderot, Rousseau, Prevost, Marivaux, Laclos, Lesage. Offered Spring, 1981 and alternate years.

419. Literature of the Nineteenth Century

3

Prerequisites: French 201-202 or equivalent, English 201. Study of nineteenth century French authors such as Chateaubriand, Constant, Stendhal, Hugo, Flaubert, Balzac, Baudelaire, Zola, and the Symbolist Poets. Offered Fall, 1979 and 1981.

420. Literature of the Twentieth Century

3

Prerequisites: French 201-202 or equivalent, English 201. Study of modern French playwrights and novelists such as Proust, Gide, Sartre, Ionesco, Claudel, Camus, Malraux. Offered Spring, 1980 and 1982.

431. Independent Study

1-3

Prerequisites: French 201-202 and permission of instructor. Study in a field of French language or literature appropriate to the student's preparation and interests. Individual topics may not be repeated for credit. Offered upon demand.

German

(101-102). Elementary German 4-4

An audio-lingual approach to basic German speech patterns. Conversation, functional grammar, and reading, supplemented by drill in the language laboratory.

103. German for Reading Knowledge 3

Basic German grammar and readings in expository texts for students desiring reading proficiency for graduate study or as an audit for students desiring a review before attempting intermediate courses. Does not satisfy Centenary language requirements. Offered on demand.

201-202. Intermediate German 3-3

Prerequisites: German (101-102) or equivalent. Continuation of oral-aural practice, integrated with a systematic review of grammar; vocabulary building, and composition. Extensive reading in modern German prose, including some selections representative of the expository type.

301-302. Advanced German 3-3

Prerequisites: German 201-202 or equivalent. Advanced readings reflecting various aspects of literary and cultural life in Germany as a basis for written and oral practice designed to increase the student's command of contemporary German. Offered in 1979-80 and alternate years.

303-304. Survey of German Literature 3-3

Prerequisites: German 201-202 or equivalent. Dieser Kurs veranschaulicht die Entwicklung der deutschen Literatur von ihren Anfängen bis zur Gegenwart. Besondere Betonung liegt bei der Auswahl des Lesestoffes auf den weniger umfangreichen Werken, die in ihrer literarischen Gestalt typische Vertreter der betreffenden Epoche sind. Offered in 1980-81 and alternate years.

431. Independent Study 1-3

Prerequisites: German 201-202 and permission of the instructor. Study in a field of German language or literature appropriate to the student's preparation and interests.

Greek

(101-102). Elementary Greek 4-4

An introduction to the fundamentals of Greek grammar with readings in Classical Greek authors. Some attention to New Testament usage. Offered 1979-80 and alternate years.

Latin

(101-102). Elementary Latin 4-4

An introduction to the fundamentals of Latin grammar and the reading of Latin authors.

201-202. Intermediate Latin 3-3

Designed for freshmen entering with two units of Latin, or those who have had Latin (101-102). Reading from several Latin writers. Systematic review of principles of syntax.

431. Independent Study 1-3

Prerequisite: Permission of instructor. Advanced study in the Latin writers such as Cicero, Virgil, Ovid, Plautus, Terence, Livy, Sallust and Lucretius. Individual topics may not be repeated for credit.

Italian

(101-102). Elementary Italian 4-4

An introduction to Italian with emphasis on all language skills: comprehension, speaking, reading, and composition. Offered on demand.

Spanish

(101-102). Spanish 4-4

An audio-lingual approach to Spanish.

201-202. Intermediate Spanish 3-3

Prerequisites: Spanish (101-102). 201: Advanced grammar, composition, conversation, and reading. 202: Reading of selected works in Spanish. Conducted largely in Spanish.

206. Applied Spanish 1

May be taken by students enrolled in Spanish 202 who wish to develop language skills in their specialty. Students will make oral and written reports in Spanish on readings in the literature of their field.

208. Modern Spanish and Spanish-American Literature in English 3

A study of some of the best Spanish and Spanish-American writers of the nineteenth and twentieth centuries, including Valera, Galdós, Unamuno, Ortega y Gasset, Lorca, Cela, Azuela, and Borges. Offered on demand.

305. Advanced Conversation and Composition 3

Prerequisites: Spanish 201-202 or consent of instructor. Intense conversational practice, advanced grammar and composition. Designed to allow the student to develop vocabulary in his field. Strongly urged for those planning to teach in the elementary or secondary schools. Fall, 1979 and alternate years.

307. Hispanic Civilization 3

Prerequisites: Spanish 201-202 or consent of instructor. A study of Spanish and Spanish-American modes of living, including history, religion, geography, art, literature and ideas. Special effort will be made to compare and contrast Hispanic civilization with Anglo-American traditions. Conducted in Spanish. Fall, 1980 and alternate years.

308. Introduction to Spanish-American Literature 3

Prerequisites: Spanish 201-202 or consent of instructor. Readings from the works of representative Spanish-American writers. Conducted in Spanish. Spring, 1981 and alternate years.

395. Selected Topics 3

Prerequisites: Spanish 201-202. Study in some areas of Spanish or Spanish-American literature not covered elsewhere. Individual topics may not be repeated for credit. Offered upon demand.

417. Literature of the Spanish Golden Age 3

Prerequisites: Spanish 201-202 or consent of instructor. A study of sixteenth- and seventeenth-century Spanish literature with emphasis on Cervantes' *El Quijote*. Conducted in Spanish. Fall, 1980 and alternate years.

419. Nineteenth-Century Spanish Literature 3

Prerequisites: Spanish 201-202 or consent of instructor. A study of the principal twentieth-century Spanish writers with emphasis on the novelists. Conducted in Spanish. Fall, 1979 and alternate years.

420. Twentieth-Century Spanish Literature 3

Prerequisites: Spanish 201-202 or consent of instructor. A study of the principal twentieth-century Spanish writers. Conducted in Spanish. Spring, 1980 and alternate years.

431. Independent Study 1-3

Prerequisites: Two courses above 208 (including Spanish 308 if the study is in Spanish-American literature), and permission of the instructor. Study in a field of Spanish or Spanish-American literature appropriate to the student's preparation and interests. Individual topics may not be repeated for credit.

General Education

101-102. Cultural Perspectives

1-1

A two-semester course, required of all freshmen and other entering students, designed to encourage them to broaden their cultural perspective and to enrich their liberal arts education through attending various extracurricular events on campus. Credit (pass/fail) may be earned by certified attendance at the following types of events: Art, Drama, Films, Music, Forums, All-College Convocations, and other Convocations.

A brochure will be distributed at registration explaining the detailed rules of the program and listing the semester's events and dates. Attendance at a total of 10 events required for each semester.



R. Johnson Watts, Registrar and Associate Professor of German



Magale Library

Geography And Geology

Professor Shaw, *Chairman and William C. Woolf*
Professor

Instructor: Cathey

Adjunct Professor: Laslie

Lecturers: Langton, Eatman

Introductory courses offered by the Geology Department are designed to broaden the student's knowledge and understanding about the earth and to develop an appreciation for our environment. Various processes of geology that have been proceeding at fairly uniform rates since the continents and oceans formed are identified and discussed. The present environments are used as models for past conditions on earth.

The students majoring in geology learn the necessary fundamentals of earth science required for successful graduate work and research. Those students not interested in graduate study may upon graduation choose to work with a state or federal geological survey, an oil company, or a mining company. However, the superior student is directed toward advanced studies.

The Geology Department offers areas of study for both the prospective professional geologist and the individual interested in geology but not intending to make it a career. The student may intend to work in service-related fields of geology, as petroleum. Centenary offers courses in geology which enhance the student's chances for employment and advancement with the various energy-related companies.

In the Ark-La-Tex area oil and gas are foremost energy resources. The Geology Department emphasizes this aspect of geology in numerous courses listed in the curriculum and taught by local petroleum geologists. Most independent studies courses are concerned with hydrocarbon sources, reservoirs, and entrapments mechanisms. Students in the Department are invited to use local well log libraries (restricted membership) which have complete collections of well logs and various types of well data for the area. The Department has an extensive collection of well logs, maps and miscellaneous data concerned with oil and gas exploration, reservoir studies and production.

The flexibility of the geology curriculum is demonstrated by the variety of courses available for the B.A. Degree and the B.S. Degree. The student interested in geology as a career should obtain the B.S. Degree. This course of study is necessary in order to secure the proper foundation for successful graduate work and for employment as a geologist.

Major Requirements for The B.A. Degree

In addition to the courses meeting the requirements of the College, a candidate for the degree will take 25 semester hours in geology including 101, 111, 102 and 112. Other requirements include three hours in engineering, two courses in a foreign language and three hours in speech. Twelve hours are required in math and science, three of which must be in Math 107 or higher level course.

Geology 101, 111, 102, 112 are prerequisites for all other geology courses, and admission to advanced geology classes is allowed after successful completion of the above requirements or upon permission of the instructor.

Major Requirements for The B.S. Degree

In addition to the courses meeting the College's distributive requirements, a candidate for the B.S. will take thirty-five semester hours in geology, including 101, 111, 102, 112, 151, 203, 304, 305, 306, 352, 401, and 440. Other required courses include Chemistry 101, 111, 102, 112; Mathematics 108 and 201; Physics 108, 209 or Biology 101, 111, 102, 112; and two courses in a foreign language. A summer field camp is recommended for all geology students.

Geography

205. Cultural Geography 3
A study of cultural diversity of man as a function of geographical distribution.

206. World Geography 3
Presents essential facts and ideas about the natural and cultural environments in the world environment.

Geology

101. Physical Geology (Lab must be taken with course) 3
Prerequisite to all other courses in the Department. Introductory lecture course concerned with processes and principles acting upon the earth today.

111. Physical Geology Laboratory 1
Practical studies of minerals, rocks and maps.

102. Historical Geology (Lab must be taken with course) 3
A fundamental part of geology concerned with paleogeography and paleontology. Various concepts are explored for reconstructing ancient environments. Offered yearly.

112. Historical Geology Laboratory 1

An application of the concepts and processes discussed in Historical Geology lectures. Maps, fossils and criteria for the identification of environments are studied. Offered yearly.

103. Environmental Geology 3

A study of the interactions between man and his geological environment, to include urbanization and pollution, geological hazards, and geological resources. Offered yearly. No lab.

151. Regional Geology 3

A brief outline of the geology of the United States. Alternate years.

201. Oil and Gas Law 2

Prerequisite: None. Course will not satisfy distributive requirements. A study of the legal aspects of oil and gas leasing, exploration and production. Various oil and gas leases and assignments are described in detail. Offered on demand.

203. Structural Geology 4

A study of the mechanics of folding, faulting, and other structural features, their geologic effects, and the solution of structural problems. Alternate years.

301. Geology of Petroleum 3

A course devoted to the study of the origin, migration, and accumulation of petroleum, and of the oil and gas fields in the U.S. in general. Alternate years.

302. Geology of the Ark-La-Tex Oil and Gas Fields 3

A detailed study of the various oil and gas fields of the Ark-La-Tex. Alternate years.

303. Well Logging 3

A study of the various methods of well-logging and their application to the general field of geology. Yearly.

304. Mineralogy 4

A description of the common minerals of the earth's crust, with identification by physical and chemical means. Fall of alternate years.

305, 306. Invertebrate Paleontology 3-3

An introduction to the study of structure, mode of life, distribution, and development of the living forms of past ages. Yearly.

351. Economic Geology 3

The genesis of ores, the structure and stratigraphy of mineral-producing ores, and the economic aspect of mineral deposits. Alternate years.

352. Elementary Petrology 4

The description and identification of the common rocks in the crust of the earth, and a study of the theories of origin for the different types of rocks. Yearly.

401. Sedimentology 3

A discussion and study of the origin and environments of sediments and their diagenesis. Yearly.

402. Principles of Stratigraphy 3

The principles underlying the description, identification, and geologic history of the stratigraphic units of the earth's crust. Yearly.

405. Introduction to Geophysical Prospecting 3

Prerequisite: Mathematics 107, or equivalent. An introduction to the various methods of geophysical prospecting for petroleum products. Includes the study of magnetic, gravitational, seismic, electrical, and other methods.

410. Independent Study 1-6

In-depth studies of those aspects of geology not normally covered in existing courses. Prerequisite: Consent of instructor. Offered on demand.

421. Introduction to Micropaleontology 3

A study of some of the important microfossils of the geologic column and methods of applying these data. Alternate years.

440. Geology Seminar 3

Individual studies of various aspects of the geosciences.

I-99. Interim Studies 3

Special topics offered in the January Interim.



Walter M. Lowrey, Professor of History

History And Government

Professor Hancock, *Chairman*
 Professor: Lowrey
 Associate Professor: Loyless
 Professor Emerita: Rainey
 Adjunct Professor: Laslie
 Visiting Professor: Waggonner
 Instructor: Koshansky
 Lecturer: Thomson

The courses offered by the Department of History and Government are designed to make an essential contribution to a liberal education by providing the general student with a comprehensive and integrated knowledge of man's history; to provide the training necessary for more advanced study in history and political science; and to provide the practical knowledge of historical and political developments which is an essential part of the preparation of those students expecting to enter the professions of law, government service, politics, and business.

For those interested in teaching history, government, or social studies at the secondary level, see

description of B.A. in Social Studies Education, p. 55

History

Major Requirements

A candidate for the B.A. in history must complete thirty semester hours in history, including History 441, plus six semester hours in economics and six semester hours in government. Not less than thirty semester hours numbered 300 and above must be presented for graduation of which not less than fifteen must be in history. Students majoring in history are required to complete the intermediate level in a foreign language approved by the major adviser.

A student may be admitted to the Department's Honors Program if he has attained junior standing and meets the other requirements. For details consult the Department Chairman.

101, 102. Survey of Western Civilization 3-3
 A survey of the development of western cultures and nations, from the beginnings of history to the present. Yearly.

201, 202. History of England and Great Britain 3-3
 A general survey of the history of England and the British Empire to the present time. Yearly.

205, 206. History of the United States 3-3
 A survey of the major developments in the history of the United States from colonial times to the present. Yearly.

207. History of Louisiana 3
 A survey of the history of Louisiana under France, Spain, and the United States. Yearly.

301. History of the Christian Church 3
 A survey of insitutional and theological developments in the Christian Church from its beginning to the twentieth century. The course will stress important people and the historical context of each period of the church's history. (Same as Religion 301.) Fall of 1979 and alternate years.

305. Europe in the Nineteenth Century, 1815-1914 3
 The history of Europe during a century of dramatic transformation. Attention will be given to the Industrial Revolution, post-Napoleonic reaction, liberalism, revolution, nationalism, imperialism, and the coming of World War 1. Fall of 1980 and alternate years.

312. Twentieth Century U.S. 3
 The social, economic, and political development of the United States in its role as major world power in the twentieth century. Spring of 1980 and yearly.

314. Twentieth Century Europe 3
 A survey of European social, cultural, economic, and political developments, emphasizing the unique characteristics of the major European nations; and their effects upon international relationships. Yearly.

318. Renaissance and Reformation 3
 A study of the important social, political, economic, and cultural developments in European civilization during the 14th and 15th centuries. The Reformation section covers the 16th century and the first half of the 17th century. (Same as Religion 318.) Spring of 1981 and alternate years.

321, 322. American Intellectual History 3-3

The evolution of American intellectual and cultural life from colonial times to the present, as expressed in political and economic thought, theology, philosophy, literature, and science, with reference to the interaction between ideas and social structures. Yearly.

325. History of the Ante-Bellum South 3

An examination of the South from colonial days through the Civil War with emphasis on the institution of slavery, agriculture, society, and the development of sectionalism. Yearly.

326. History of the Modern South 3

A study of the South from Reconstruction to the present, with emphasis on politics, economics, culture, and race relations. Yearly.

341, 342. Latin America History 3-3

First semester: a study of Spain and Portugal during their Golden Ages, with emphasis on the Iberian and African cultures and institutions which influenced their discoveries and conquests. Second semester: the development of the independent states of Latin America in the 19th and 20th centuries. 1979-80 and alternate years.

351. East Asian Civilization 3

A study of the history, culture, and social conditions in China and Japan from the beginning of recorded history to 1800, with particular emphasis on differences in cultural heritage between the Occidental and the Oriental worlds. Fall, 1980 and alternate years.

352. Modern China and Japan, 1800-Present 3

A study of the impact of Western culture on the Far East and its reaction, with emphasis on the rise of China and Japan to their present positions as world economic and political powers. Spring 1981 and alternate years.

395. Selected Topics 3

Prerequisite: Consent of the instructor. A detailed study of areas of history not normally covered in regular history courses. Offered on demand.

399. Independent Studies 1-6

Students taking History Honors will earn credit with Honors in this course through concentrated study of selected topics. Other students with particular historical interests which cannot be satisfied in regularly listed courses may register for directed study in areas such as Progressivism, Modern India, Society in the 1920's, Idealism in American Foreign Policy, the Industrial Revolution in England, and others, subject to Faculty approval. May be repeated for credit with different topics. Permission of the Department is required. Yearly.

441. Seminar in History 3

Prerequisites: History major and consent of instructor. A study of various schools of historical scholarship and an introduction to the elements of historical research and writing. Yearly.

I-99 Interim Studies 3

Special topics offered in the January Interim.

Government**Major Requirements**

A candidate for the B.A. in Government must complete thirty semester hours in government, including 441, plus six semester hours in history and six in economics. Not less than thirty semester hours num-



Joe D. Waggoner, Jr., Visiting Professor of Government

bered 300 and above must be presented for graduation, of which not less than fifteen hours must be in government. Students majoring in government are also expected to complete the intermediate level courses in a foreign language approved by the major adviser. Government 201 and 207 or consent of instructor are prerequisite to all 300- and 400-level courses.

A student may be admitted to the Department's Honors Program if he has attained junior standing and meets the other requirements. For details consult the Department Chairman.

101. Introduction to Political Science 3

Basic principles of political science and political behavior which may be applied at all levels of government. Yearly.

201. American Government 3

Constitutional principles, agencies of the federal government and their relationships to the states, and individual civil rights, citizenship, political subdivisions. Yearly.

207. International Relations 3

A survey of current world problems, with emphasis upon world organizations, power politics, international law, geopolitics, and peace organizations. Yearly.

210. State and Municipal Government 3

A survey of problems, functions, and weaknesses in state and municipal governments with emphasis upon political machines, types of municipal government, local planning, and study of government in Louisiana. Yearly.

214. Introduction to Research Methodology 3

The fundamental principles of scientific analysis of data and basic research methodologies applicable to the social sciences will be surveyed. (Same as Psychology 214, Sociology 214.) Course will

be offered yearly but will be taught by different departments involved in different years. May not be used to fulfill distributive requirements.

303. Statistics for Behavioral Sciences 3

Prerequisite: Mathematics 105 or higher. The logic and application of standard statistical tests in the analysis of data. Topics include: descriptive statistics, statistical inference, correlation, T-test, and simple analysis of variance. Yearly. (Same as Sociology 303 and Psychology 303.)

305. Comparative Government I: Industrial Societies 3

Political change and development in selected industrial societies. Comparative study of national institutions and processes, emphasizing the socio-economic and cultural context of those societies. Fall, 1978 and alternate years.

306. Comparative Government II: Agrarian and Industrializing Societies 3

Comparative theories of social change and development in selected countries. Cross national analysis of parties, military elites, and governmental structures as they affect political change in 3rd world nations. Spring, 1979 and alternate years.

307. Political Theory 3

A study of classic political thought and its use in modern political analysis. Yearly.

310. U.S. Foreign Policy 3

A study of the processes of American foreign policy decision-making and the development of U.S. Foreign Policy since World War II. Fall, 1979 and yearly.

315. Political Behavior 3

Prerequisite: Government 101 and 201. The nature and roles of public opinion, interest groups, and political parties in pluralistic societies. Emphasis will be given to American politics. Concepts of political behavior and techniques of political action will be studied. Problems in political participation, communication, leadership and decision-making will also be considered. Fall, 1979.

324. International Law and Organizations 3

An analysis of international law and international organizations as regulators of the international political system. Introduces the student to basic concepts of public international law and its application to specific subject areas such as the law of the sea, human rights, and laws of war. Undertakes a comparative study of the process of international integration, including a detailed analysis of global and regional organizations such as the United Nations and the European Economic Community. Fall of 1979 and alternate years.

330. Public Administration 3

The study of the character and functions of the administrative institutions of government. Includes the study of bureaucracy as an institution, the sociology of the large administrative organizations, and relationships of these organizations to the other institutions and functions of government. The internal management of government agencies is also considered. Offered on demand.

335. Public Policy Analysis 3

Prerequisite: Government 201. An integrative study of the policy-making process. The relationship of persons, groups, and governmental and non-governmental institutions in initiation, formulation and implementation of public policy in the United States. Organization and manipulation of opinion. Theories of



policy formulation and decision-making will also be considered. Offered on demand.

340. Urban Politics 3

Prerequisite: Government 210 or 201 or permission of the instructor. Growth of cities and metropolitan areas. Emergence of the urban environment as a focus for public policy. Implications of metropolitan development and functions for the organization of government and politics in the United States. Impact of the metropolis on governmental programs will also be considered. Offered on demand.

395. Selected Topics

3

Prerequisite: Consent of the instructor. A detailed study of the area of government not normally covered in the regular government courses. Offered on demand.

399. Independent Study

3

Students taking Government Honors are required to earn credit for honors in the course through concentrated study of selected topics. Other students with particular interests outside the regular course offerings of the Department may register for directed study with permission of the Department. May be repeated for credit with different topics. Yearly.

401-402. Internship in Administration

3-3

Designed to provide an opportunity for the student to expand his

theoretical knowledge and practical application of administrative principles by first-hand experience in various public agencies. Offered on demand.

421. Comparative Economic Systems

3

The nature and operations of alternative systems for determining resource allocation and utilization. Fall, 1979 and alternate years. (Same as Economics 421.)

441. Seminar in Government

3

Prerequisites: Government major and consent of instructor. A study of scholarship in government and an introduction to the elements of research. Yearly.

I-99. Interim Studies

Special topics offered in the January Interim.



Mathematics

Professor Carlton, *Chairman*

Associate Professor: Speairs

Assistant Professors: Danvers, Thomas

The Department of Mathematics aims to contribute to the student's liberal education by showing the role mathematics has played and is playing in the development of civilization, and by giving him the opportunity to appreciate mathematics for its own esthetic qualities.

It aims particularly to give fundamental training to students in the natural sciences and engineering, and also to those in the social and behavioral sciences. The mathematics curriculum is so planned that a student majoring in the field may choose any one of a number of avenues to follow after graduation, including the teaching profession, work in industry, in computer mathematics, further training toward actuarial work, or the combination of mathematics with other scientific training, as well as graduate work in pure mathematics. A description of the Computer Science Program follows the Major Requirements below.

High school mathematics through trigonometry is the recommended background for incoming freshmen, although the admission requirement is less.

Major Requirements

Students with a major in Mathematics may receive either a B.A. or B.S. degree, the choice being determined by whether supportive work is predominantly in the humanities or in the sciences.

For either degree a minimum of 27 semester hours of mathematics in courses numbered 201 or higher is required. Nine semester hours must be in courses numbered 401 or higher. Of the thirty semester hours numbered 300 or higher for degree requirements, at least twelve must be taken outside the Department of Mathematics. Supportive requirements: A foreign language through the 202 level.

Distributive requirements in Mathematics may be met by courses numbered 104 or higher.

A student may be admitted to the Honors Program of the Mathematics Department if he has attained junior standing and meets the other requirements. For details consult the Department Chairman.

104. Mathematics and Civilization 3
The tracing of several basic mathematical ideas from their



Virginia Carlton, Chairman of the Department of Mathematics

elementary origins to their sophisticated recent versions. Two of these are: (1) the geometric nature of space, and (2) the development of man's computational skill.

105. Introduction to Finite Mathematics 3
(Open only to non-science majors.) Statement logic. Elementary theory of sets. Counting problems and probability theory. Vectors and matrices. Applications. Offered each semester.

107. Elementary Functions 3
A unified study of elementary functions. Algebraic, exponential, logarithmic, and trigonometric functions and their applications. Offered each semester.

108. Analytic Geometry and Calculus I 3
Coordinate systems, straight lines, functions, and graphs. Limits, derivatives of algebraic functions, applications of the derivative. Each semester.

115. Mathematics for Teachers 3
(Open for credit only to elementary education majors.) Topics from number theory, geometry, algebra, and the history of mathematics. Offered yearly.

201. Analytic Geometry and Calculus II 3
Prerequisite: Mathematics 108. The definite and indefinite integral. Derivatives and integrals of exponential, logarithmic, hyperbolic, trigonometric, and inverse trigonometric functions. Techniques in integration, integration by parts. Offered each semester.

202. Analytic Geometry and Calculus III 3
Prerequisite: Mathematics 201. Further application of the calculus. Basic properties of continuous and differential functions. Infinite series. Plane curves and polar coordinates. Offered yearly.

203. Linear Algebra 3
Prerequisite: Mathematics 108. Systems of linear equations, vector spaces, linear dependence, bases, dimensions, linear map-

pings, matrices, determinants, applications.

303. Analytic Geometry and Calculus IV 3

Prerequisite: Mathematics 202. Three-dimensional analytic geometry. Introduction to vector analysis. Differential calculus of several variables. Multiple integration. Line and surface integrals. Offered yearly.

304. Foundations of Geometry 3

Prerequisite: Consent of instructor. Advanced Euclidean geometry with emphasis on transformation theory. Topics from ordered geometry, affine geometry, absolute geometry, non-Euclidean geometry, and n-dimensional geometry. Alternate years.

305. Mathematical Statistics 3

Prerequisite: Mathematics 201. Probability, sample spaces. Mathematical models, testing hypotheses. Empirical and theoretical frequency functions. Correlation and regression. Testing goodness of fit. Alternate years.

306. Modern Algebra 3

Prerequisite: Mathematics 201 and 203. Basic properties of groups, rings, fields, and morphisms. Alternate years.

307. Differential Equations 3

Prerequisite: Mathematics 303. Common types of ordinary differential equations, especially of the first and second order. Problems which lead to differential equations and the standard methods of their solution. Yearly.

395. Selected Topics 3

Prerequisite: Consent of the instructor. A study of an area of mathematics not normally covered in the regular mathematics courses. Offered on demand.

398. Colloquium, Oak Ridge Semester 1

Prerequisites: Junior standing and admission by SCUU Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff at Oak Ridge National Laboratory under supervision of resident SCUU Faculty. (Same as Biology 398/Chemistry 398/Physics 398.)

399. Research, Oak Ridge Semester 1-6

Prerequisites: Junior standing and admission to the program by the SCUU Selection Committee. Research performed through participation in the SCUU-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as Biology 399/Chemistry 399/Physics 399.)

400. Internship in Mathematics 1-3

(For Mathematics majors only—not included in the required nine courses for the major.) Credit is given for on-the-job training in certain vocational areas of mathematics.

403. Topology 3

Prerequisite: Mathematics 303. A survey of fundamental properties of topological spaces with particular emphasis on the real number system. Connectedness, compactness, continuous mapping, homomorphism, metric spaces. Spring of alternate years.

404. Vector Analysis 3

Prerequisite: Mathematics 303. A basic course in vectors. Topics include vector and scalar products, vector equations, and vector calculus. Applications from differential geometry and physics. Curvature, torsion, and Gaussian curvature. Yearly.

405. Numerical Analysis 3

Prerequisites: Mathematics 303 and 123 or the equivalent. Selected numerical methods dealing with the solution of alge-

braic and transcendental equations, finite differences and interpolation, integration, and differential equations. Alternate years.

407. Introductory Real Variable Theory I 3

Prerequisite: Mathematics 303. Real and complex systems, sets, metric spaces, continuity and differentiation. Alternate years.

408. Introductory Real Variable Theory II 3

Prerequisite: Mathematics 407. Riemann-Stieltjes integral, sequences and series of numbers and functions. Alternate years.

410. Independent Study in Mathematics 1-6

(Open to advanced students in mathematics with departmental approval.) One hour conference per week. Library and research work pertinent to the area of study selected. A written thesis is required.

I-99. Interim Studies 3

Special topics offered in the January Interim.

Computer Science Program

The program in Computer Science is offered for students with majors in mathematics, business, economics, government, and other fields who are choosing to enter the field of data processing or who wish to continue study of computer science in graduate school.

In addition to major work and the four courses listed below a student in this program is required to take Business 328, Business 415, and a statistics course from either the mathematics, economics, or psychology departments. It is recommended that he take at least the first semester of calculus and Mathematics 203. The courses below, offered for the Computer Science Program, are not included in the required courses for a major in mathematics. Of that



David E. Thomas, Director of Computing Center

group only Mathematics 123 may be used to satisfy distributive requirements in mathematics. (For further description see Section VII, Programs, page 144.)

123. Computer Systems 3

Introduction to computer languages, methods, and operations, with particular emphasis on Fortran IV and its application to a variety of problems using the College computer. Each semester.

223. Computer Systems—COBOL 3

An introduction to computer programming in the business oriented language COBOL. Hands on experience in writing, running, and debugging programs provided. Applications and prob-

lems primarily business oriented. (Same as Business 223.)

324. Information Systems 3

Prerequisites: Mathematics 123 and 223; or Mathematics 123 and concurrent enrollment in Mathematics 223, and consent of instructor. Introduction to advanced programming techniques; file organization and manipulation, sorting and searching, error checking, and program documentation. A system of programs will be designed, written, and tested to implement some type of computer application. Yearly.

401. Internship in Computer Science 1-3

Prerequisite: Mathematics 123 or 223. Credit is given for on-the-job training in certain vocational areas of computer science.



Hurley School Of Music

Professor Carroll, *Dean of the Hurley School of Music*

Professors: Causey, Reynolds, Rupert, Teague

Associate Professors: Armes, Dean

Instructors: DiToro, Johnson

Professors Emeriti: Harlan, Rabun

Lecturers: Address, Buckner, C. Carroll, Cooper, Franklin, Hallquist, Lacey, McKinney, Melson, Pratt, J. Reynolds, Savant, Shenaut, Tiner, Wells.

Centenary College offers the B.A. degree with a major in music, and the B.M. degree with concentrations in applied music, music education, sacred music, and composition. The Hurley School of



Music at Centenary College is fully accredited by the National Association of Schools of Music as well as the Southern Association of Colleges and Schools.

The Hurley School of Music adheres to the highest musical and academic standards and seeks to prepare the student for entry into the professional world of music as performer, teacher, or into one of the many related fields such as music therapy, retailing, publishing, broadcasting, music management, music library work, and arts administration.

The School of Music also offers many opportunities for a rounded liberal arts education and provides cultural enrichment to the campus and community.

DEGREE PROGRAMS

Candidates for all degrees in the Hurley School of Music will meet the following requirements:

Piano Proficiency

All music majors will be expected to demonstrate an adequate proficiency in piano. This proficiency test will include sight reading, accompanying, and performing at a reasonable level determined by the School of Music and will normally take place during the second semester of the sophomore year.

Students must register for piano until the proficiency requirement is met.

Ensemble

The music major is required to participate in an ensemble for each semester he is enrolled in a degree program. The student is expected to accumulate eight hours of ensemble credit, however no more than eight hours can be applied to the 124 hours necessary for graduation.

Recital and Reading

Majors will attend all student recital hours and reading sessions. In addition they will attend a minimum of 10 formal concerts and recitals per semester.

Bachelor of Music: Performance

Areas of concentration are piano, organ, voice, composition and the orchestral instruments.

The candidate for this degree must complete 72 to 80 semester hours in music including an ensemble requirement. The remainder of the 124 semester hours required for graduation must be taken in non-music areas. As the requirements vary with area of concentration the candidate should consult early with the Dean of the Hurley School of Music.

The degree requires the successful performance of a half recital (of approximately 30 minutes), usually given in the Junior year, and a full recital (approximately 1 hour in length) usually given in the Senior

year. Both recital requirements must be met in addition to the curricular requirements noted below.

Bachelor of Music: Music Education

This program prepares the student for certification on the elementary or secondary levels in the public school systems of Louisiana. All students planning to certify as teachers must by the end of the sophomore year petition the selective admissions committee of the Teacher Education Advisory Council for acceptance into the Department of Education. Interested students should consult with the Dean of the School of Music for details of this particular curriculum. The Applied Music concentration will be either vocal or instrumental.

Those who concentrate in instrumental music must complete the courses required by the state of Louisiana for teacher certification and the following music courses: Music 001-002, 003-004, 150, 250, 350, 450; Music 111-112, 211-212, 141-142, 341-342, 411, 441, 331, 332, 333, 334, 323, 326, and 423.

Those who are vocal majors will complete the courses required by the State and the following music courses: Music 001-002, 003-004, 150, 250, 350, 450; Music 107-108, 111-112, 211-212, 141-142, 341-342, 441, 323, 326, 423 and 10 semester hours in applied piano or other instruments.

Bachelor of Music: Sacred Music

This program prepares the graduate for professional leadership in our churches in the area of worship and music. The student can concentrate in either organ or voice/choral. In addition to the regular music curriculum the Sacred Music candidate will take Religion 201, 202, 212, 313, and Psychology 211. The remainder of the 124 semester hour requirement for college graduation will be taken in non-music areas and must include English 101-102. Music 360, 361, and 460 are offered in a continuing cycle and none is prerequisite to the other.

The successful performance of a half recital (approximately 30 minutes duration) is required in addition to the curricular requirements noted below.

The sacred music-organ candidate must complete the following music courses: Music 001-002, 003-004, 150, 250, 350, 450 in organ, 170, 270 in voice, Music 111-112, 211-212, 214, 141-142, 341-342, 441-442, 315-316, 323, 326, 423, 360, 361, and 460.

The sacred music-voice/choral candidate must complete the following music courses: Music 001-002, 003-004, 150, 250, 350, 450 in voice, 170, 270 in organ, Music 107-108, 111-112, 211-212, 214, 141-142, 341-342, 441-442, 323, 326,

423, 360, 361 and 460. The student must satisfy the piano proficiency requirement before beginning organ 170, 270.

Bachelor of Arts: Music Major

Areas of concentration are piano, organ, voice, and the orchestral instruments. The candidate must meet the distributive requirements of the College and in addition complete Music 001-002, 003-004, 150, 250, 350, 450, Music 111-112, 211-212, 141-142 and 441-442.

The successful performance of a half recital (approximately 30 minutes duration) is required in addition to the curricular requirements noted above.



ADMISSION

In addition to meeting the admission requirements of Centenary College, the candidate for a music degree must further successfully pass an audition in his/her major performing medium in order to be admitted to the Hurley School of Music.

Applied Music

All prospective music majors will be required to audition or submit a tape recording of their area of Applied music concentration. Evaluation of this audition will determine whether or not a student will be accepted into the School of Music without condition. Students who meet all admission requirements but fail to meet School of Music standards in applied music will be allowed to register for Music 170 (Applied Music). If minimum applied music standards are attained, the student will then be admitted into the normal applied music course sequence at a level consistent with his achievement (Music 100, 200, et seq.). Arrangements for audition or submission of a tape should be made prior to

registration with the Dean of the School of Music.

Credit in applied music for students transferring from other schools will be determined by an audition or a tape recording submitted in advance of registration. Transfer students should also expect to take examinations in music theory and music history to determine whether or not equivalent standards have been met. Until auditions and examinations have been completed and evaluated, music credit for any transfer student will be provisional.

Examinations in applied music are held at the end of each semester before the appropriate music faculty. At the end of the sophomore year all music majors will be expected to qualify in the area of their applied music major before a full faculty jury. The recommendation of the jury will determine whether or not the student continues in the applied music course sequence he has elected.

001-002. Recital Attendance 0-0

All music majors are required to register for Recital Attendance for every semester in which they are enrolled at Centenary.

003-004. Reading Choir 0-0

Designed to expose students to a great quantity of literature from all periods which will sharpen the stylistic awareness and technical facility for dealing with music in score.

107-108. Voice Laboratory 2-2

Survey of pronunciation of Italian, French, German, and English. International phonetic alphabet used. Required for all voice concentrations as part of their applied music major.

111-112. Elementary Music Theory 4-4

An integrated study of theory. Part writing, keyboard, sight singing, and ear training are presented concurrently in order to make the student aware of the relationships between these elements. Small formal units are included. Required of all music majors.

129-130. Piano Class 1-1

For non-keyboard music majors working to pass the piano proficiency examination and for electives. Two class hours and six practice hours weekly.

139-140. Voice Class 1-1

Fundamentals of voice production. For non-voice majors and for electives. (Offered for beginning levels only.)

141-142. Introduction to Music History and Literature 2-2

An introduction to the principal styles, composers, forms, and media found in the standard repertoire. Required of all music majors.

143-144. Music Appreciation 3-3

A cultural course for the general college student. Survey of the principal musical styles and media. Not for music majors.

211-212. Advanced Music Theory 4-4

Prerequisites: Music 111-112. A continuation of Music 111-112, with emphasis on modulation, altered chords, larger formal structures, and some contemporary techniques. Required of all music majors.

214. Counterpoint 3

Prerequisite: Music 211. A study of 18th century contrapuntal techniques through composition and analysis.

229-230. Piano Class 1-1

Continuation of Music 129-130. Piano proficiency examination is the final examination for Music 230. Two class hours, six hours practice weekly.

309-310. Composition 1-1

Prerequisites: Music 211-212. Basic techniques of composition. Writing in smaller forms. Alternate years.

315-316. Accompanying and Improvisation 2-2

The art of accompanying on the organ and the adapting of other scores to the organ. Develops fluency in improvisation at the organ by using basic keyboard skills, basic forms, and modulations. Alternate years.

323. Principles of Conducting 2

A study of the basic principles of conducting. Familiarity with baton techniques, basic patterns, and elementary score reading.

326. Techniques of Conducting 2

A study of the techniques related to both choral and instrumental conducting. Consideration of the problems involved in conducting a vocal ensemble, a band, an orchestra and groups with both singers and players.

329. Music Education 3

Theory of music and elementary music teaching methods for the general classroom teacher.

331. String Class 1

Study of the principles of string instruments. Meets twice weekly. Offered alternate years.

332. Woodwind Class 1

Study of the principles of woodwind instruments. Meets twice weekly. Offered alternate years.

333. Brass Class 1

Study of the principles of brass instruments. Meets twice weekly. Offered alternate years.

334. Percussion Class 1

Study of the principles of percussion instruments. Meets twice weekly. Offered alternate years.

335-336. Piano Teaching Methods 2-2

Survey of piano pedagogy with review of various methods and approaches to the teaching of piano.

341-342. Music History 3-3

Prerequisites: Music 141-142 or consent of instructor. First semester: history of music through the Renaissance. Second semester: history of music from the Renaissance through the 18th century.

360. Sacred Music I: Liturgical Music and Hymnology 3

History of the development of various liturgical forms, the Mass, the Judaic musical heritage, Anglican and Lutheran Liturgies. Origins and uses of the great hymns, the ecclesiastical year and music appropriate to it.

361. Sacred Music II: Organ and Choral Literature 3

Study of the various forms of choral and organ literature with detailed study of representative compositions. The organ and choral literature which would have practical application for the church musician.

411. Orchestration 3

Scoring and analysis of scores for orchestra and band.

423. Advanced Conducting 2

A continuation of Techniques of Conducting. A more intensive study of score preparation, rehearsal techniques, and performance experiences.

441-442. Music History 3-3

Prerequisites: Music 341-342. First semester deals with the history of music from the end of the 18th century to the present. Second semester is a seminar of intensive studies in various musical topics (normally two or three different ones each semester). Second semester may be repeated for three hours credit.

460. Sacred Music III: Church Music Management and Internship 3

The organization and administration of a complete church music program. Rehearsal planning and techniques, graded choir system, the music program and its integration into the total church program, equipment, music library, organ design and placement. Practical application and observation of church music programs in the local area.

1-99. Interim Studies 3

Special topics offered in the January Interim.

Applied Music: Private Instruction**100. Major Applied 4-4**

Freshman applied music for B.M. in performance. One hour private lesson weekly for two semesters with minimum of 20 hours practice a week.

200. Applied Music 4-4

Sophomore applied music for B.M. in performance. One hour private lesson weekly for two semesters with minimum of 20 hours practice a week.

300. Major Applied 4-4

Junior applied music for B.M. in performance. One hour private lesson weekly for two semesters with minimum of 20 hours practice a week.

400. Major Applied 4-4

Senior applied music for B.M. in performance. One hour private lesson weekly for two semesters with minimum of 20 hours practice a week.

150. Major Applied 2-2

Freshman applied music for B.M. in Music education, B.M. in Sacred Music or B.A. in performance. One hour lesson weekly for two semesters with a minimum of 10 hours practice a week.

250. Major Applied 2-2

Sophomore applied music for B.M. in Music Education, B.M. in Sacred Music or B.A. in performance. One hour lesson weekly for two semesters with a minimum of 10 hours practice a week.

350. Major Applied 2-2

Junior applied for B.M. in Music Education, B.M. in Sacred Music or B.A. in performance. One hour lesson weekly for two semesters with a minimum of 10 hours practice a week.

450. Major Applied 2-2

Senior applied music for B.M. in Music Education, B.M. in Sacred Music or B.A. in performance. One hour lesson weekly for two semesters with a minimum of 10 hours practice a week.

170, 270, 370, 470. Private Applied 2-2

Half hour lesson weekly with minimum of seven hours practice a week. For minor instrument, voice, or non-major elective. Also may be recommended for entering freshmen who are deficient in their applied area. May be repeated for additional credit.



Will Address, Director of the Centenary College Choir

Ensembles**151. Band 1-1**

The Band offers training in the performance of works written specially for wind ensembles. Some public performances. Audition required.

152. Stage Band 1-1

The Band offers training in the performance of works written specially for wind ensembles. Some public performances. Audition required.

152. Stage Band 1-1

Exploration of the literature for the big band. This group plays at all home basketball games and has several public performances. Audition required.

153. Centenary Choir 1-1

The Centenary Choir has gained international fame and is very active in performance on concert tours and on television. By audition only.

154. Hurley Chamber Singers 1-1

This group sings the great choral chamber literature from all periods of music history. Many public performances. Membership by audition.

155. Orchestra 1-1

The Shreveport Symphony is resident at the Hurley School of Music. Professional positions available to advanced players. Audition with conductor John Shenaut.

156. Hurley Chamber Orchestra 1-1

School of Music orchestra which plays a full range of chamber literature and accompanies standard choral and concerto literature.

157. Opera Workshop

1-1

An operatic workshop which includes training in basic opera repertoire and tradition, coaching, instruction in acting techniques, stage deportment, and preparation for productions leading to public performances. Audition required.

158. Symphony Chorale

1-1

The Shreveport Symphony Chorale prepares and performs the

major choral works with the Shreveport Symphony.

159. Piano Accompanying

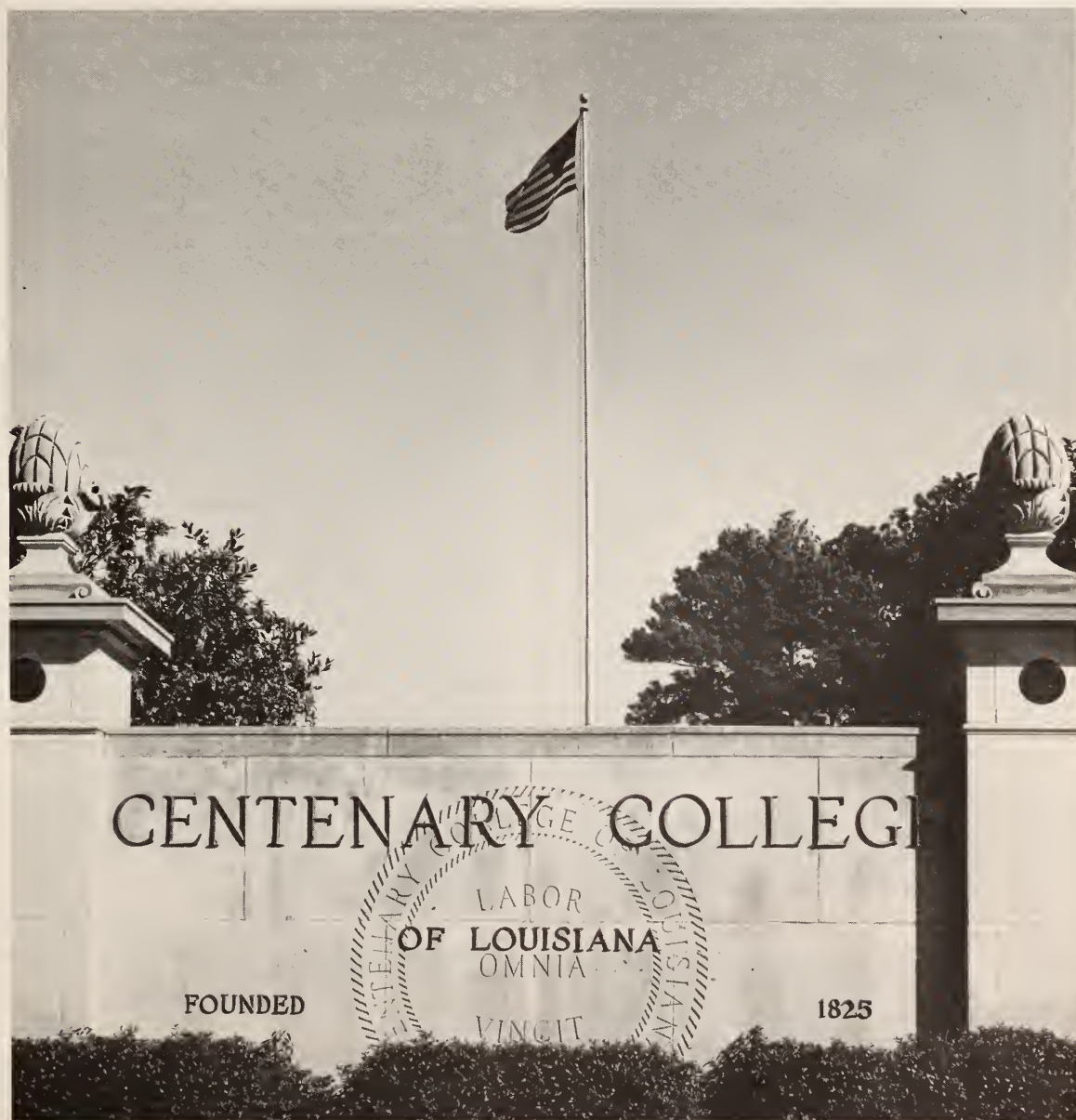
1-1

The keyboard student may accompany a soloist or ensemble for ensemble credit.

160. Chamber Ensembles

1-1

Ad hoc quartets, quintets, trios, etc.





L. Hughes Cox, Chairman of the Department of Philosophy

Philosophy

Professor Cox, *Chairman*
Adjunct Professor: Beard

The courses in philosophy are designed to acquaint the student with systems of thought about life and reality, and to help him understand the function of intelligence in life. To this end the Department provides courses in problem areas contributing to other academic disciplines and the general liberal arts program of the College, and a major in preparation for professional or graduate work. Although in general all the courses are designed for students who have attained sophomore or higher standing, exceptions may be made by the instructor for students with particular abilities. Philosophy 101 is not considered a necessary prerequisite for other courses.

Major Requirements

A philosophy major is required to take thirty semester hours in philosophy, including 202, 209 or 210, 301, 302, and six semester hours at the 400 level. The approval of the entire course of study by a departmental adviser is also necessary. Six hours at the intermediate level of a departmentally approved foreign language are required.

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|---|------------|
| 101. Introductory Problems in Philosophy | 3 |
| An introduction to philosophical method through problems selected from such areas as theory of knowledge and reality, art, ethics, religion, and science. Yearly. | |
| 202. Ethics | 3 |
| An introduction to the basic concepts and problems of ethics. Ancient and modern theories considered. Yearly. | |
| 305. Esthetics | 3 |
| A philosophical study of the creative impulse, the art object, and the esthetic experience. Yearly. | |
| 209. Practical Logic | 3 |
| A survey of the practical uses of logic in everyday life in reference to such topics as logic and language, informal fallacies, and the general character of deduction and induction. Yearly. | |
| 210. Symbolic Logic | 3 |
| Prerequisite: Philosophy 209 or permission of Department. An introduction to the basic formal principles and methods of symbolic logic and deductive inference. On demand. | |
| 301. History of Ancient and Medieval Philosophy | 3 |
| An examination of the major philosophical systems from the early Greeks to the 17th century. Yearly. | |
| 302. History of Modern Philosophy | 3 |
| An examination of the major philosophical systems from the 17th century to the present. Yearly. | |
| 303. Philosophy of Religion | 3 |
| A study of the problems of religious language and truth, the existence of God, and related religious concepts. Yearly. (Same as Religion 303.) | |
| 304. Contemporary Philosophy | 3 |
| An examination of the major figures and types of 20th century philosophy. Alternate years. | |
| 307. Philosophy of Eastern Religions | 3 |
| An historical study of the fundamental philosophical concepts of near and far eastern religions and ethical systems. Alternate years. (Same as Religion 307.) | |
| 395. Selected Topics in Philosophy | 3 |
| The department is able to offer on demand specialized topics that it cannot offer on a regular basis. These topics include: Social Philosophy (theory of social values). Epistemology, Metaphysics, Philosophy of Social Science, Philosophy of Natural Science. Course, but not individual topics, may be repeated for credit. Prerequisite: permission of instructor. | |
| 401, 402. Seminars | 3-3 |
| Prerequisite: Permission of instructor. Group study of historical topics or of problems, as determined by student interest and need. Study based on student discussion and papers. Offered yearly, or upon demand. | |
| 403. Independent Study | 1-6 |
| Prerequisite: Permission of instructor. Independent research and writing on a problem of student's choosing with approval and under direction of instructor. Offered yearly, or upon demand. | |
| I-99. Interim Studies | 3 |
| Special topics offered in the January Interim. | |

Physical Education

Assistant Professor Haley, *Chairman*
 Assistant Professors: Crawford, Farrar
 Instructor: Edwards

The Department of Physical Education offers an opportunity for all students to participate and acquire skills and knowledge in a variety of sports and activities, including individual and team sports, conditioning exercises, dance, gymnastics, and swimming. Opportunities for competitive experiences for both men and women in a variety of sports and activities are provided through the intramural program. The Department prepares its majors for teaching in elementary and secondary schools, athletic coaching, recreational work in churches, and admission to graduate school.

Activity courses are open to all students who wish to participate. Courses numbered 101 through 202 are activity courses. Non-majors wishing to take theoretical courses in Physical Education must have authorization from the Department Chairman. In most instances PE 223 is a prerequisite for all theoretical courses with the exception of I-99, 221, 239, 321, 354 and 357.

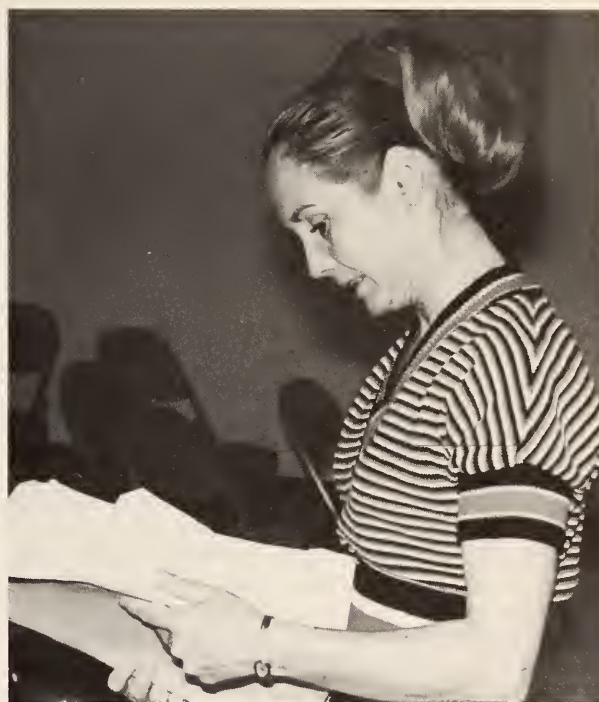
Major Requirements

Candidates for the B.S. degree in Physical Education must meet all distributive requirements of the College and complete 32 hours in physical education. The following courses must be taken by all physical education majors: 221, 223, 324, 330, 423, and 8 hours of skills and techniques, including not more than 4 hours in coaching. All physical education majors must also take Biology 217. The remainder of the 32 hours must be taken from physical education courses numbered 120 or above and be approved by a faculty adviser.

All majors wishing to certify as teachers must meet state certification requirements in secondary education. See Education.

To be certified as a teacher in health and safety as well as physical education, P.E. 224, 321, 354 and 357 should be taken.

101-102. Varsity Athletics 1
 Activity course for individuals engaged in varsity athletics, cheerleading and pom-pom dancing.



Dr. Betty Haley, Chairman of the Department of Physical Education

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| 121-122. Ballet (Beginning) | 1-1 |
| Introduction to the fundamentals of classical ballet and vocabulary. (Same as T/S 121-122.) | |
| 123-124. Tap (Beginning) | 1-1 |
| Basic tap technique and vocabulary. (Same as T/S 123-124.) | |
| 125-126. Jazz (Beginning) | 1-1 |
| Introduction to basic modern jazz technique and vocabulary with emphasis on body placement and exercises to increase the flexibility of the body. (Same as T/S 125-126.) | |
| 201-202. Co-Educational Activity | 1-1 |
| Archery, Badminton, Bowling, Conditioning Exercises, Dance (Tap, Ballet, Jazz), Golf, Gymnastics, Power Volleyball, Swimming and Tennis. | |
| 221. First Aid, Safety, and Athletic Training | 2 |
| Designed to develop competence in rendering immediate and temporary aid to a victim of accident, sudden illness, or athletic injury. Theoretical and practical approach. Covers both standard and advanced courses of the American National Red Cross, with certificates granted for satisfactory work. Meets three hours each week. Yearly. | |
| 222. Techniques of Gymnastics | 2 |
| Instruction in the techniques of teaching basic skills in men's and women's gymnastics. Yearly. | |
| 223. History and Principles of Physical Education | 3 |
| An introductory course designed to acquaint students with the biological, psychological, and sociological foundations of physical education, and to provide historical reference sufficient for intelligent interpretation and evaluation of current practices in the field. Yearly. | |

- 224. Safety Education** 3
A study of safety, including causes and prevention of accidents in home, school, traffic, industry and recreation; laws concerning legal liability, accidents and liability insurance. Alternate years.
- 231. Organization and Administration of Intramural Sports** 2
Prerequisite: By consent of instructor. A study of methods commonly used in organizing and administering a program of intramural sports in public schools. Emphasis is given to classification for competition, rules and regulations, league play statistics, arrangements and officiating. Yearly.
- 232.3Sports Officiating** 2
Principles, techniques and practices of officiating with emphasis on rules, rule interpretations and mechanics. Practical experience will be arranged. Alternate years.
- 239. Materials and Methods of P.E. for the Elementary Grades** 3
A study of factors influencing effective organization and instruction of physical education in the modern elementary school with emphasis upon movement education. Yearly.
- 321. Personal and Community Health** 3
An introduction to factors influencing and determining personal and community health with emphasis upon major health problems of adults and environmental health problems. Yearly.
- 324. Kinesiology** 3
Prerequisite: Biology 217. A study of the factors influencing bodily movement. Consideration is given to the mechanical and physiological actions of joints and muscles. Alternate years.
- 330. Tests and Measurements** 3
A study of tests designed to measure health, physical fitness, strength, motor ability, game skills, and the use of the results of the tests. Yearly.
- 332. Swimming and Lifesaving Techniques** 2
A course designed to develop basic skills in swimming as well as the ability to aid others in distress in water. Senior Lifesaving certificate of the American National Red Cross may be obtained. Yearly.
- 334. Folk and Square Dance Techniques** 2
Techniques of teaching folk, ballroom and square dance. Alternate years.
- 341. Theory and Techniques of Team Sports** 3
Analysis techniques, progression in presentation, practice, lead-up activities and knowledge of official rules. Alternate years.
- 342. Theory and Techniques of Individual Sports** 3
Techniques of teaching lifetime sports which are popular as leisure activities. Alternate years.
- 347. Techniques of Coaching Football and Basketball** 3
A study of the basic offensive and defensive formations and patterns, their strengths and weaknesses. Instruction in fundamentals, program organization and administration are included. Alternate years.
- 348. Techniques of Coaching Baseball, Track and Field** 3
A study of the fundamentals of baseball and track and field events, game strategies and meet administration. Alternate years.
- 354. School Health** 3
A study of major health problems of elementary school children including health screening, methods, materials, and modern health resources.

- 357. Consumer and Nutrition Education** 3
A study of health services, products and nutrition with emphasis upon methods and materials pertinent to health education.
- 395. Selected Topics** 3
A detailed study of an area of physical education not normally covered in regular physical education courses. On demand.
- 423. Administration of Health and Physical Education** 3
A study of the principles underlying the organization and administration of programs of health and physical education in modern schools. Alternate years.
- 431. Independent Study** 1-6
Prerequisite: Permission of Department Chairman. A course of directed study and independent work under the supervision of a member of the Department. In certain cases credit may be given for supervised work in community and College activities in the field of physical education.
- I-99. Interim Studies** 3
Special topics offered in the January Interim.





Jeffrey Trahan, Chairman of the Department of Physics and Engineering

Physics And Engineering

Associate Professor Trahan, *Chairman*
Professor: White, Gus S. Wortham Professor of
Engineering

Professor Emeritus: Parker
Assistant Professor: Hallee

The physics curriculum is made up of introductory courses designed to familiarize the non-science major with the fundamental concepts of physics and astronomy; courses designed to give the science major a firm grasp of the principles of classical and

modern physics; and advanced courses designed to prepare the physics major with the necessary background in experimental and theoretical physics to meet the demands of graduate study and research.

The freshman who plans to major in physics should have a high school background in mathematics through trigonometry. In the absence of such preparation, he is strongly advised to take Mathematics 107 or an equivalent course during the summer session prior to the fall semester of his freshman year.

Major Requirements

There are two major programs in physics, one leading to the degree of Bachelor of Arts, the other to the degree of Bachelor of Science. The B.A. degree requires the following courses: Physics 108, 118, 209, 219, 204, 211, 301-302, 311, 321, and 413; in addition the B.A. degree requires either Physics 306 or Engineering 322; Mathematics 108, 201, 202, and 303; and two courses in one of the related fields of chemistry, geology, biology, astronomy, or engineering. The B.S. degree requires these courses, and in addition, Physics 307, 312, 414, and 424; and Mathematics 307. The two related courses must be Chemistry 101-102, 111-112.

Physics

001-002. Physics Problems I-II 0

A supplement to the required work of Physics 108, 209, providing additional practice in setting up and solving problems within the scope of these courses. Yearly.

101. Conceptual Physics 4

A non-mathematical physics course for non-science majors which emphasizes the ideas of physics by examining the phenomena of our everyday environment. The laboratory will consist of demonstrations of the phenomena discussed in the lecture. Alternate years. (3-3)

108. Introductory Physics I 3

Prerequisite: Math 108. The principles and classic experiments of mechanics and thermophysics. Kinematics and elementary dynamics of point masses and rigid bodies. Kinetic theory; first and second laws of thermodynamics; heat conduction. Offered in Spring. Yearly.

113. General Astronomy 3

A non-mathematical introduction to the concepts of modern astronomy. A study of the earth as a body in space and its relation to the remainder of the solar system and galaxy. Constellations, planets, stars, galaxies, star clusters, black holes, quasars and other astronomical objects. Planetarium and observatory facilities available in the Shreveport area are used. Alternate years.

115. General Astronomy Laboratory 1

Prerequisite: Physics 113 previously or concurrently. Development of skills in evaluating astronomical data. When weather

permits laboratories will be held out-of-doors to observe constellations, planets, meteors, etc.

118. Classical Physics Laboratory I 1

Prerequisite: 108 or concurrent enrollment therein. Introduction to laboratory techniques including experimental procedures, experiment evaluation, methods of data reduction and reporting of results; experiments taken from the area of mechanics.

204. Introductory Modern Physics 4

Prerequisites: 209 and 219. Quantum phenomena, relativity, and introduction to statistical mechanics. The quantum hypothesis; the Bohr-Rutherford atom and the origin of spectral lines; de Broglie waves and the Schrodinger equation. The relativity principle and the constancy of the speed of light. Boltzmann statistics, quantum statistics and simple applications. Introductions to the physics of nuclei. Laboratory work illustrates these principles, but is sufficiently independent that it may be taken alone for one hour credit, with the consent of the instructor and appropriate choice of experiments. Yearly.

209. Introductory Physics II 3

Prerequisites: 108 and Math 201 previously or concurrently. Theory and classic experiments of electricity, magnetism and optics. Geometrical and physical optics, fields of potentials, dielectric materials, DC and AC circuits. Offered in fall yearly.

211. Mathematical Physics 4

Prerequisites: 209, 219 and Mathematics 202. An introduction to the basic mathematical methods and techniques used in the solution of physical problems, with emphasis upon applications rather than theory. Topics discussed include coordinate systems, vector analysis, complex variables, differential equations, and evaluation and applications of the definite integral. Practical aids to solution, including mathematical tables, calculators, and the digital computer. Sufficient computer programming is taught to permit effective use of the computer in solving appropriate simple problems. Laboratory exercises are devoted to the discussion of particular problems and techniques in detail. Yearly.

219. Classical Physics Laboratory II 1-1

Prerequisites: 118 and either 209 or concurrent enrollment therein. A continuation of Physics 118 with experiments taken from the area of optics, thermophysics, electricity and magnetism.

301-302. Physics Laboratory 1-1

Prerequisites: 204 and 211. Advanced experimental techniques in physics. Design and construction of apparatus, including use of the machine shop. Electronic techniques and precision instrumentation. Experiments are selected in consultation with the instructor, and may include topics in mechanics, thermophysics, electricity, magnetism, optics, or modern physics. Three hours of laboratory weekly. Yearly.

306. Light and Optics 3

Prerequisite: Physics 211. A general treatment of the principles of geometrical and physical optics including optical instruments, interference, diffraction, absorption, scattering, dispersing and polarization. Fall of 1979 and alternate years.

307. Electronics for Scientists 4

Prerequisites: 211 and consent of instructor. Principles and applications of solid state electronics, with emphasis upon laboratory instrumentation, limitations of electronic devices and the practical aspects of instrumentation systems. Electrical measurements, power supplies, amplifiers, oscillators, operational amplifiers,

servomechanisms, logical and digital circuits. Three hours of recitation and three hours of laboratory per week. Alternate years.

311. Intermediate Mechanics 3

Prerequisite: 211. A vector treatment of mechanics. Forces and moments, statics, particle kinematics and dynamics. Work, kinetic and potential energy, impulse and momentum. Orbits of a particle in a central force field. Yearly. (Same as Engineering 311.)

312. Dynamics 3

Prerequisites: 311 and Mathematics 307 previously or concurrently. Rigid body motion in three dimensions, generalized coordinates, Lagrange and Hamiltonian formulations. Vibrating systems and normal modes; mechanics of continuous media. Yearly. (Same as Engineering 312.)

321. Thermodynamics 3

Prerequisites: Physics 211 and Mathematics 303 previously or concurrently. A study of the fundamentals of classical thermodynamics. Properties of a pure substance, work and heat, first and second laws of thermodynamics, entropy, enthalpy, thermodynamic relations, mixtures and solutions. (Same as Engineering 321.)

398. Colloquium, Oak Ridge Semester 1

Prerequisites: Junior standing and admission by SCUU Selection Committee. A program of speakers on a variety of scientific and social issues presented by staff of Oak Ridge National Laboratory under supervision of resident SCUU Faculty. (Same as Biology 398/Chemistry 398/Math 398.)

399. Research, Oak Ridge Semester 1-6

Prerequisites: Junior standing and admission to the program by the SCUU Selection Committee. Research performed through participation in the SCUU-Oak Ridge Semester Program under supervision of senior staff at Oak Ridge National Laboratory. (Same as Biology 399/Chemistry 399/Math 399.)

413. Electricity and Magnetism I 3

Prerequisite: 211. A field treatment of electricity and magnetism; electrostatic fields and potentials, dielectrics, magnetic fields, electromagnetic induction, magnetic materials, energy in static electric and magnetic fields. Spring, yearly.

414. Electricity and Magnetism II 3

Prerequisites: 413 and Mathematics 307 previously or concurrently. An advanced treatment of electric and magnetic fields based on Maxwell's equations; introduction to theories of dielectric and magnetic materials; static boundary value problems. Electromagnetic waves, wave guides and other boundary value problems. Fall, yearly.

424. Modern Physics 3

Prerequisites: 204, 304, 312, 414. An advanced treatment of selected principles of modern physics illustrating their importance in understanding the observed behavior of matter. Topics vary from year to year, and may include relativity, quantum mechanics, the solid state, and atomic and nuclear physics. Yearly.

441, 442. Independent Study 1-6

Prerequisite: Consent of instructor. Guided independent study of a topic agreed upon by the student and any member of the Department. Either a theoretical or an experimental subject may be selected. Written reports or oral presentations may be required when appropriate. Credit may vary from one to six hours per semester. May be repeated for credit.

I-99 Interim Studies

1-3

Special topics offered in the January Interim.

Engineering

The Department of Physics and Engineering offers the basic courses necessary for the student to proceed successfully in the Combined Plan ("3-2") professional programs described elsewhere in this Catalogue. These courses provide the fundamentals in scientific fields and professional engineering skills essential to the application of engineering principles in modern technology. Those interested in the Combined Plan B.A.-B.S. programs should consult Dr. White.

101. Engineering Drawing

2

Instruction in the proper care and use of drafting instruments, lettering, freehand sketching, orthographic projection, geometrics, dimensioning, section views, auxiliaries, working drawings, isometrics, tracing, and graphic solutions. Offered on demand.

103. Engineering Orientation and Graphics

3

Elementary design graphics as applied to the various fields of engineering. Application of the slide rule and electronic calculator to simple engineering problems. Study of the various fields of engineering professional responsibilities, and characteristic problems of the profession. Yearly.

104. Blueprint Reading for the Building Trades

0

Instruction in blueprint interpretation for trades and construction personnel. Small homes, construction projects, detail construction, material lists, and industrial construction blueprints.

119-120. Architectural Graphics

2-2

An elementary course in architectural graphics and design composition. Instruction in the fundamentals of perspective, graphics, visualization, lines, planes, color, mood, texture, static and dynamic symmetry details and design of small objects. Designed for the prospective architect. Offered on demand.

142. Map Drafting

2

Prerequisite: 101. Instruction in map construction projections, reproduction, aerial photography, composition, contours, ownership maps, plotting and sketching, types of maps and uses. Offered on demand.

201-202. Advanced Engineering Drawing

2-2

Prerequisite: 103 or 251. Instruction in machine drafting and graphics, shop drawings, industrial projection drawings and dimensioning, costs, shades, shadows, detail and assembly drawings of complicated machine and scientific devices. Offered on demand.

251. Descriptive Geometry

3

Prerequisite: 103. A study of lines, points, planes, three-dimensional problems, visualization, developments, intersections, shades, shadows, and graphic solution. Spring, yearly.

254. Engineering Design

3

Prerequisite: Physics 209. A course of teaching and learning which focuses on developing the decision-making skills as well as teaching specific concepts and principles. The students will be formed into project teams. Each team will then have the responsibility of collecting social, economic, environmental and engineer-



Warren N. White, Professor of Physics and Engineering

ing facts concerning their assigned engineering project. Based on these facts the team will make a series of decisions relating to the execution of the project's ultimate purpose. Each team will be assigned several projects during the semester. Course format will be a combined lecture and design laboratory periods. Yearly.

259. Plane Surveying and Mapping

3

Prerequisite: Mathematics 107 or 108, previously or concurrently. Use and care of field equipment used in surveying. Mapping in the field, area computations, errors of measurement and their correction. Plane table mapping. On demand.

Engineering 310. Corrosion Engineering

3

Prerequisites: Chemistry 101-102, or consent of the instructor. A course to introduce the student to the causes and means to prevent the destruction or deterioration of a material because of reaction with its environment. The topics to be covered are: (1) Corrosion principles as related to the electrochemical, environmental and metallurgical aspects; (2) The principal forms of corrosion; (3) Corrosion testing; (4) Corrosion prevention. On demand.

Engineering 311. Intermediate Mechanics

3

Prerequisite Physics 211. A vector treatment of mechanics. Forces and moments, statics, particle kinematics and dynamics. Work, kinetic and potential energy, impulse and momentum. Orbits of a particle in a central force field. Yearly. (Same as Physics 311.)

Engineering 312. Dynamics 3

Prerequisites: Physics 311 and Mathematics 307 previously or concurrently. Rigid body motion in three dimensions, generalized coordinates, Lagrange and Hamiltonian formulations. Vibrating systems and normal modes; mechanics of continuous media. Yearly. (Same as Physics 312.)

Engineering 320. Introduction to Material Science 3

Prerequisite: One year of introductory chemistry. A study of properties and behavior of materials based upon their cellular structure. Study is made of metals and their alloys, including their mechanical properties, and corrosion. The course includes study of ceramic basic (brick, concrete, etc.) structure and their application. The study of plastic material is included. The study of electrical and magnetic properties of material concludes the course. Yearly.

Engineering 321. Thermodynamics 3

Prerequisites: Physics 211 and Mathematics 303 previously or concurrently. A study of the fundamentals of classical thermodynamics. Properties of a pure substance, work and heat, first and second laws of thermodynamics, entropy, enthalpy, thermodynamic relations, mixtures and solutions. (Same as Physics 321.) Yearly.

322 Mechanics of Solids 3

Prerequisite: Physics 311. A study of the internal behavior of solids when subjected to externally applied forces and torques. Topics include: stress, strain and Hooke's Law, analysis of statically determinate and statically indeterminate beams and structures, torsion, beam deflections, combined stress and column analysis. Yearly.

I-99. Interim Studies 1-3

Special topics offered in the January Interim.



Psychology

Associate Professor Bettinger, *Chairman*

Professor: Gwin

Assistant Professor: Dulle

The department is oriented toward the discipline of psychology as a scientific field of study while still recognizing the application of psychology to broad humanistic concerns. The courses in psychology focus, accordingly, on problems in understanding, prediction and control of behavior. The courses are designed to provide students with a broad base in the methodology and fundamental concepts in psychology in order to (1) prepare students for graduate studies, (2) prepare students for professions in which principles of psychology can contribute in significant ways, and (3) to provide resources for those who wish to study psychology simply as a means of enriching their lives.

Major Requirements

For the Bachelor of Arts in Psychology, 30 hours in Psychology, as approved by the adviser, is required. Students who are considering psychology as a professional field should be prepared to continue their education at a graduate school. These students should consider Psychology 214, 303 and 324 as an essential part of their preparation. Psychology 311 is recommended for students interested in counseling and clinical work since recent advances in neurophysiology are important to clinical psychology.

A student may be admitted to the Department's Honors Program if he has attained junior standing and meets the other requirements. For details consult the Department Chairman.

101. General Psychology 3

Introduces the study of behavior in the areas of heredity, learning, motivation, personality, and behavior modification. Each semester.

211. Human Growth and Development 3

A study of the aspects of human behavior that change from conception through adulthood and the processes that account for the changes. A review of the major theories set forth to explain different aspects of human development is included.

214. Introduction to Research Methodology 3

The fundamental principles of scientific analysis of data and basic research methodologies applicable to the social sciences will be surveyed. Course will be offered yearly but will be taught by different departments involved in different years. (Same as Government 214, Sociology 214.)

221. The Exceptional Child 3

Emphasis on the processes which contribute to personality. Study of gifted, retarded, emotionally disturbed children, learning disabilities, hard-of-hearing, visually handicapped, culturally deprived, and other disabilities that require special services. Yearly.

303. Statistics for Behavioral Science 3

Prerequisite: Mathematics 105 or higher. The logic and application of standard statistical tests in the analysis of data. Topics include: descriptive statistics, statistical inference, correlation, T-test, and simple analysis of variance. Yearly. (Same as Sociology 303 and Government 303.)

305. Social Psychology 3

Prerequisite: Psychology 101 or Sociology 101. A theoretical and non-mathematical experimental approach to interpersonal interaction. Symbolic interaction, interest and exchange theory, group dynamics and process, ethnomethodology and phenomenology. Yearly. (Same as Sociology 305.)

311. Physiological Psychology 3

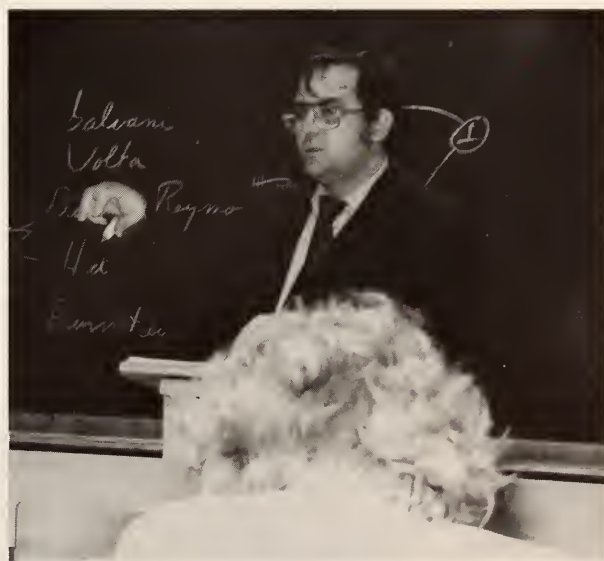
A study of the physiological correlates of behavior. Emphasis on basic neuroanatomy, motor systems, sensory systems, sleep, attention, motivation, emotion and physiological contributions to learning theory. Biology 111-112 strongly recommended. Yearly. (Same as Biology 311.)

312. Introduction to Psychological Tests 3

Prerequisite: Psychology 214. A study of the theories underlying psychological tests and scales, and of the interpretation and use of the data which they yield. Yearly.

324. Experimental Psychology 3

Prerequisite: Psychology 214 (may be taken concurrently). The student designs, conducts, and analyzes psychological experiments. The emphasis is on methodology employed in studying preception, motivation, and learning. Each semester.



Dr. Lewis Bettinger, Chairman of the Department of Psychology

325. Learning—Principles and Applications 3

Prerequisite: Psychology 101. An examination of current learning theories, experimental findings, and their applications. Techniques of behavioral modification are demonstrated. Yearly.

395. Selected Topics in Psychology 3

Study of an area of psychology not covered in current offerings. Admission is by consent of instructor. No more than six hours may be earned in this course. Offered as needed, no more than one course a year.

411. History and Systems of Psychology 3

Prerequisite: Psychology 101 or permission of the instructor. A study of some of the important approaches to the study of psychology, both historical and contemporary. Yearly.

421. Abnormal Psychology 3

Prerequisite: Psychology 101 or permission of the instructor. A study of the major syndromes of behavioral disorders. Yearly.

422. Theories of Personality 3

Prerequisite: Psychology 101 or permission of the instructor. A study of selected research and theories in the field of personality. Yearly.

430. Independent Study 1-6

Students taking Psychology Honors may earn credit with honors in this course through research, projects or concentrated study of selected topics. Other students may pursue independent study and/or research for directed study in areas not satisfied in the regularly listed courses. The course may be repeated for credit with different topics. Approval of the Department required.

I-99. Interim Studies 3

Special topics offered in the January Interim.



Religion

Associate Professor Taylor, *Chairman*
 Professor: Pomeroy, *James Professor of Religion*
 Associate Professor: Kovacs
 Assistant Professor: Emler
 Lecturers: Dykes, Lefkowitz, Scott, Stone

The Department of Religion attempts to lead students in serious philosophical and theological consideration of the question of humanity's origin, destiny, meaning and purpose. The basic assumption of the courses is that these questions are best dwelt with in the Jewish-Christian history and writings.

Major Requirements:—Religion

1. Thirty semester hours in Religion courses including 103, 104, 307, 311 or 312, and 402.
2. Supportive courses as follows:
 - 3 hours in Sociology
 - Psychology 101
 - Art 101
 - Philosophy 3 hours from among 301 or 302 or 303
 - 2 semesters in a foreign language
 - 4 courses in English including 101
3. No more than six semester hours of Christian Education courses may be counted toward the fulfillment of the 30 hour requirement in Religion.

Major Requirements:—Christian Education

1. Fifteen semester hours in Religion courses, including 103, 104, 307, 311 or 312, and 402.
2. Fifteen semester hours in Christian Education courses including 212, 300, 410 and 2 courses from among 309, 314, 316.
3. Six more hours to be elected from among Religion or Christian Education courses.
4. Supportive courses as follows:
 - Psychology 211 and 1 additional course in Psychology
 - Sociology 202
 - Philosophy 3 hours from among 301, 302, 303
 - English 201

Specific guidance in areas of concentration in age levels (children, youth, adult) will be given by the student's adviser.

Transfer Work:

Students proposing to transfer lower level Religion courses to Centenary should consult with the Department Chairman in order to determine if these

courses have prepared them to enter upper level course work in the Department.

Pre-Theological Curriculum:

Entrance requirements of seminaries and graduate schools of theology must be met with courses in addition to the requirements of the major and distributive requirements. Therefore, students who plan such graduate or professional study should consult with a member of the Department of Religion before enrolling for work beyond the first semester of the freshman year.

Courses In Religion:

- | | |
|--|------------|
| 101. Understanding Religion | 3 |
| An introductory survey that helps students become aware of the varied expressions of religion in our world, of how religion functions in persons and cultures, of some of the major concepts and symbols of various historic religions, and of the interrelationships between religion and other areas of human life. May not be used to satisfy major requirements. Yearly. | |
| 103. Old Testament Survey | 3 |
| Offered each semester. | |
| 104. New Testament Survey | 3 |
| Offered each semester | |
| 203. History and Doctrines of Methodism | 3 |
| A study of the movement which affected the social and religious life of 18th century England and which influenced the cultural, religious, and political development of America. Primary sources | |
| 205-206. Studies In Judaism | 3-3 |
| A study of Judaism as one of the major religious traditions of the west. The historical as well as the contemporary perspectives on Jewish literature, religious symbols, and life-styles will be explored. | |



Robert Ed Taylor, Chaplain and Associate Professor of Religion

are the works of John Wesley, and secondary sources are recent interpretive biographies and histories of Methodism.

209. The Contemporary Church 3

A study of the meaning, problems and expressions of the Church in contemporary culture. Alternate years.

301. History of the Christian Church 3

A survey of institutional and theological developments in the Christian Church from its beginning to the twentieth century. The course will stress important people and the historical context of each period of the church's history. Fall of 1979 and alternate years. (Same as History 301)

303. Philosophy of Religion 3

A study of the problems of religious language and truth, the existence of God, and related religious concepts. Yearly. (Same as Philosophy 303)

306. Prophets of Israel 3

A study of the prophetic movement and its historical background in Israel from the time of Moses until its close with the book of Jonah. Alternate years.

307. Philosophy of Eastern Religions 3

An historical study of the fundamental philosophical concepts and ethical systems of near and far eastern religions. Yearly. (Same as Philosophy 307)

308. Sociology of Religion 3

An investigation of the contribution of religious symbolism to social organization, socialization, stratification, and change. The course examines the application of social theory, especially organization studies, to understanding religion as a social institution, particularly in the United States. Alternate years. (Same as Sociology 308)

311, 312. Theology of New Testament Writers 3-3

Directs students in research and study to discover the theology of the earliest Christian writers as reflected in the literature of the New Testament. Form criticism, and redaction criticism are used. Included in the first semester are the Synoptic Gospels and Acts. The second semester concentrates on the writings of Paul and John. Alternate years.

318. Renaissance and Reformation 3

Spring of 1981 and alternate years. (Same as History 318)

395. Selected Topics in Religion 3

A detailed study of an area in religion not normally covered in regular Religion courses. To be taught on demand. Admission by consent of instructor. Individual topics may not be repeated for credit.

401. Wisdom Literature 3

A study of the social, political, economic and theological development of scribalism and wisdom in the ancient Near East. Exegesis will include canonical and deuterocanonical materials. The relationships of wisdom to other genres and social movements will be explored. Prerequisites: Religion 103 or consent of instructor. Yearly.

402. History of Christian Thought 3

A study of the development of Christian thinking in various periods of the Church's history. Selections from Augustine, Aquinas, Luther, Calvin, Wesley, Schleiermacher, Kierkegaard, Barth, Tillich and others will be utilized. Prerequisites: Religion 103 and 104 or consent of instructor.

405. Independent Study in Religion 1-6

Open to Junior and Senior students with the consent of the instructor and the Chairman of the Department. Weekly Conference with instructor. Library and research work comprise the major portion of the study. A written thesis is required. Offered each semester or upon request.

407. Twentieth Century Theologies 3

A study of the major themes of theology since 1900 with concentration in a few significant theologians of that period. Prerequisite: consent of instructor. Yearly.

412. Senior Seminar in Religion 3

An examination of major areas of scholarship in the field of religious studies. Up to six hours credit in separate topics. Prerequisites: 103 and 104 or consent of instructor.

415. Practicum in Theological Integration 1

A theological practicum dealing with the integration of field placement, theological formation, personality formation. Prerequisite: Religion 103 and 104 and consent of instructor. Offered each semester on a Pass/Fail basis only. May be elected for up to 4 semester hours if 413 is not taken for 2 hours. May not be counted on the major requirement.

I-99. Interim Studies 3

Special topics offered in the January interim.

Courses In Christian Education

001, 002. Church Careers Seminar 0

212. Introduction to Christian Education 3

The historical and theological foundations of Christian Education. Yearly.

300. Religious and Moral Development 3

A study of the religious and moral growth stages of the human personality from infancy through older adulthood. Utilizes the work of Piaget, Erikson, Fowler, Kohlberg, etc. Prerequisite: Psychology 211. Yearly.

309-310. Youth Ministry 3-3

Understanding youth and their culture in relation to the religious life. Developing youth ministries in the local church. Observation and participation in youth groups. Prerequisite: Psychology 211. Yearly.

314. Children's Ministry 3

Developing children's ministries in the local church. Consideration of various church education structures such as Vacation Church School and camping. Observation and participation in children's groups. Prerequisite: Psychology 211 and consent of instructor.

316. Adult Ministry 3

Developing models for adult ministries in the local church. Observation and participation in adult groups. Prerequisite: Psychology 211 and consent of instructor.

410. Christian Education In the Local Church 3

Organization and programs of Christian Education in the local church. Study and use of curricular materials. Theories of leadership discovery and development and family life programs. Yearly.

411. Seminar in Christian Education 3

Several topics not ordinarily covered in other courses. Especially related to resources for Christian Education such as contemporary film, drama, literature, etc. Prerequisite: Religion 212. Open to Juniors with Departmental approval.

413. Internship In Christian Education**1**

Supervised internship in the local church. Prerequisite: enrolment in Religion 300 and one of the age level ministries during the junior year. May be elected for up to 2 semester hours. Offered each semester on a Pass/Fail basis only. May not count on the major requirement.

Sacred Music

Students who intend to pursue professional education for a position in a local church situation as choir master or choral director should pursue the Bachelor of Music (B.M.) degree with a major in Sacred Music. Specifics regarding this major are included in another section of this Catalogue under the School of Music.



President Donald Webb and Bishop J. Kenneth Shamblin



Sociology Students toast Charles E. Vetter, Chairman of the Department

Sociology

Associate Professor Vetter, *Chairman*
 Professor: Allen, *Trustee Chair in Sociology*
 Associate Professor: Kovacs
 Professor Emeritus: Pledger
 Lecturer: Mark Gottlob

Sociology devotes scientific study to the patterns of human interpersonal interaction. Student acquire facility in observation, research, theory and application. Course work focuses on the major bodies of explanatory theory which have been developed to interpret large segments of human social behavior. Contemporary social movements and issues also receive attention. Majoring in Sociology prepares the student for a) competent study and research in a graduate Sociology program, b) admission to graduate study in professional degree and certification programs in such fields as social work, counseling, clinical sociology, clinically-oriented styles of ministry, occupational therapy, probation-parole and related helping professions, c) bachelor level practice in a variety of socially-oriented helping professions, including social work, counseling, religious work, certain adjunct therapies and juvenile and adult corrections, and d) skillful and knowledgeable performance in private business enterprise and public service.

Students with at least a 3.0 cumulative and Sociology (10 or more hours in Sociology) GPA are eligible

for membership in Eta Chapter, Alpha Kappa Delta National Sociological Honor Society.

Recognizing the diversity of students' interests, professional goals, personal objectives and educational purposes, the Department advises majors to prepare a plan of study that provides extensive grounding in the various liberal arts as well as developing social scientific competence. All majors must complete Sociology 101, 305 and either 211 or 214. A total of not less than 30 semester hours is required in a major, including at least twelve semester hours from courses numbered 300 and above. Students planning graduate study in Sociology should also complete Sociology 403, 415 and approved courses in statistics and computer science. Candidates majoring in Sociology who have no desire to pursue a helping profession or seek a graduate degree in Sociology or related fields of study should complete Sociology 112, 212 and 310. Students planning graduate work or certain helping professions are strongly urged to complete a modern foreign language at the intermediate level. Students registering for advanced courses in the Department should present proof of adequate background in social science theory and practice appropriate to the level of the course. Students are not permitted to register for Sociology 410 before consulting the Department.

101. Introductory Sociology

A general survey of sociological analysis and research stressing explanation in social science, the individual in social interaction, the nature of groups, and patterns of organization as exemplified by the analysis of a particular American social institution. Each semester.

112. Social Problems 3

Application of sociological analysis and research to contemporary social problems. This course emphasizes the structural character of socially-defined problems seeking to define and interpret causes and consequences. Yearly.

202. Marriage and Family 3

A sociological analysis of marriage and family behavior within contemporary American society. A study of the interactional aspects of marriage and family with major emphasis upon the American middle-class. Yearly.

211. The Sociology of Organizations 3

The study of structure and process in large-scale organizations. Examines bureaucracy and related types of organization as well as interrelationships of formal and informal organization. Each semester.

212. Social Deviance 3

A structural approach to systematic non-conforming group behavior covering social change, subculture-culture conflict, labeling theory, anomie-alienation, social control. Yearly.

214. Introduction to Research Methodology 3

The fundamental principles of scientific analysis of data and basic research methodologies applicable to the social sciences will be surveyed. Course will be offered yearly but will be taught by different departments involved in different years. May not be used to fulfill distributive requirements. (Same as Government 214, Psychology 214.)

231. Introduction to Social Work 3

A survey of casework, group work, community organization, social analysis, intervention and priority care. Detailed attention will be given to ethics and decision-making in engineered micro- and macro-social change.

303. Statistics for Behavioral Science 3

Prerequisite: Mathematics 105 or higher. The logic and application of standard statistical tests in the analysis of data. Yearly. (Same as Psychology 303 and Government 303.)

305. Social Psychology (Same as Psychology 305) 3

Prerequisite: Permission of the instructor. A theoretical and non-mathematical experimental approach to interpersonal interaction. Symbolic interaction, interest and exchange theory, group dynamics and process, ethnomethodology and phenomenology. Yearly.

307. Development of Social Thought 3

Prerequisite: Permission of the instructor. An historical perspective in sociological thought. Major theorists studied include Marx, Weber, Durkheim, Michels, Veblen, Pareto, Parks, Schutz, Habermas, Znaniecki, Wirth. Contributions to the development of modern European sociological thought will be examined. Alternate years.

308. The Sociology of Religion (Same as Religion 308) 3

An investigation of the contribution of religious symbolism to social organization, socialization, stratification and change. The course examines the application of social theory, especially organization studies, to understanding religion as a social institution, particularly in the U.S. Alternate years.

309. Social Stratification 3

An analysis of the structuring of societies along social class and caste lines with particular application to the American situation. Includes theories and character of social class systems, research in



John H. Allen, Trustee Professor of Sociology

stratification, differential class behavior, social mobility, power relationships and castes and estate systems. Alternate years.

310. Criminal and Delinquent Behavior 3

A study of crime and juvenile delinquency. Extent, causative factors, methods of treatment and programs of prevention and control are covered. Alternate years.

311. Conflict 3

An examination of causes, strategies and forms of resolution of culture-subculture conflict. An emphasis is placed on minority-majority conflict, intra- and inter-class conflict, and conflict theory. Alternate years.

312. Demography 3

The statistical study of populations and ecosystems, their size, distribution and composition. It is concerned with such matters as the changes over time in fertility, mortality and migration, and with the variables related to these changes. Alternate years.

313. Community 3

Reviews the development of community study and its research techniques from the Chicago School to the present, the problems

of methodology and ethics, and the various concepts of "community" as a social dynamic or process. Alternate years.

395. Selected Topics in Sociology 3

A detailed study of a specialized topic in Sociology not normally covered in regular Sociology and Anthropology courses. On demand.

402. Urban Sociology 3

Application of ecological and demographic methods to the study of urban and metropolitan development; sociological aspects of urban and metropolitan problems and planning. Alternate years.

403. Contemporary American Sociology 3

Prerequisite: Permission of the instructor. A survey of contemporary American schools of sociology including functionalism, structuralism, symbolic interaction, exchange, role, conflict, community study, and radical

405. Seminar 3

Prerequisite: Permission of the instructor. An advanced study in research seminar format within a particular sociological specialty. Yearly.

410. Independent Study 1-6

Prerequisites: Permission of the Department, submission of acceptable proposal, selection of adviser. Advanced library or original research in a well-defined topic of the student's choice, forming a logical part of his academic curriculum. On demand.

414. Collective Behavior 3

An analysis of the various forms of collective behavior (fads, panics, riots, social movements, etc.) and a detailed survey of the genesis, development and decay of social movements and social revolutions. Alternate years.

415. Methods in Social Research 3

Prerequisite: An approved statistics course. An examination of the interrelationship of theory, methodology and sociological research techniques. Alternate years.

I-99. Interim Studies 3

Special topics offered in the January Interim.

Although a major is not awarded in anthropology, the Sociology Department offers the following courses in anthropology. Both are elective courses and do not fulfill major requirements in Sociology.

103. Introduction to Anthropology 3

A study of ancient and modern man, race, culture, and society. Emphasis on the cultural approach. Yearly.

204. The North American Indian 3

A survey of the history and culture of the North American Indians from their origin to their place in the modern world. Yearly.



Brown Memorial Chapel



Robert Buseick, Chairman of the Department of Theatre and Speech

Theatre/Speech

Associate Professor Buseick, *Chairman*
Instructors: Folmer, Hicks

The Theatre/Speech Department offers a curriculum to serve three types of students: those who plan to attend graduate school, those who plan to teach, and those who plan to pursue a career in the profession or to use their training for vocational recreation.

The Theatre/Speech Department provides cultural enrichment for the College and the community through its production schedule, representing a "Theatre With A Purpose." Participation in the productions of the Department is open to any student enrolled at Centenary College.

Major Requirements

Speech: For the B.A. in Speech, the major must complete thirty-six semester hours, including 101, 200, 201, 220, 300, 302, 309, and 404 and twelve semester hours elected from the following: 102-103, 111, 112, 203, 204, 205, 206, 211, 250, 303, 305, 307, 308, 310, 312, 350, 401, 402, 403, 405, plus six semester hours in a foreign language.

Theatre: For the B.A. in Theatre the major must

complete thirty-six semester hours, including 102-103, 112, 203, 204, 205, 307, 308, 401, 402, and 404 and nine semester hours elected from the following: 101, 201, 206, 250, 302, 305, 310, 312, 350, 403, and 405, plus six semester hours in a foreign language.

Theatre/Speech Certification: For the B.A. degree in Theatre/Speech with teacher certification, the student must complete the teacher certification requirements (see Department of Education in this Catalogue), plus thirty-six hours including 102-103, 111, 201, 203, 204, 205, 211 or 220, 300 or 309, 401, and 404 and nine semester hours elected from the following: 101, 112, 200, 206, 250, 302, 303, 305, 307, 308, 310, 312, 350, 402, 403, and 405, plus six semester hours in a foreign language.

001-002. Theatre Laboratory

0-0

A practical experience related to productions, both performance and technical, for all Theatre and Theatre/Speech certification majors for each semester in which they are registered in the College as Theatre/Speech majors.

101. Fundamentals of Voice and Diction

3

Study of vocal usage and work designed to improve personal speech. Exercises in breathing, relaxing, pronunciation and voice production. Yearly.

102-103. Voice for the Stage

2-2

An intensive year-long study of the system of voice and speech evolved by Arthur Lessac, embracing the study of structural, tonal, and consonantal action, and the beginnings of their application to scene work. Yearly.

104. Workshop: Costume Construction

1

Practical workshop in design and construction related to summer productions. Offered summers only.

105. Workshop Production: Technical

1

Practical workshop in construction, lighting, and stage props as related to summer productions. Offered summers only.

106. Workshop: Make-Up

1

A concentrated practical study of the basic techniques and application as applied to stage make-up. Offered summers only.

107. Workshop: Acting

1

Principles of basic acting technique culminating in participation in special summer productions. Offered summers only.

111. Orientation to the Theatre

3

A brief but comprehensive introductory view of the theatre examining all the elements that make it a Lively Art. Yearly.

112. Analysis and Criticism

3

An introductory study of form and technique of dramatic literature. Yearly.

121-122. Ballet (beginning)

1-1

Introduction to the fundamentals of classical ballet and vocabulary. (Same as P.E. 121-122.)

123-124. Tap (beginning)

1-1

Basic tap technique and vocabulary. (Same as P.E. 123-124.)

125-126. Jazz (beginning)

1-1

Introduction to basic modern jazz technique and vocabulary with emphasis on body placement and exercises to increase the flexi-

bility of the body. (Same as P.E. 125-126.)

200. Public Speaking 3
The development of oral communication skills employed in extemporaneous and impromptu speaking. Yearly.

201. Introduction to Interpretation 3
Emphasis on voice development in relation to the study of esthetic and intellectual content of all types of literature. Yearly.

203. Acting: Movement 2
A study of the body as one of the tools in acting. Work on scenes and creative expression through physical movement. Alternate years.

204. Acting: Improvisation 2
Prerequisite: 203. An intellectual approach to acting through the discovery of the where, who, and what used to develop creativity and spontaneity in the actor. Alternate years.

205. Introduction to Technical Theatre 3
A course in applied arts in staging, lighting, and scenery. Yearly.

206. Scene Design 3
Prerequisite: 205. Introduction to the principles of design for the theatre. Alternate years.

211. Debate and Argumentation 3
Study of the principles and practices of debate and argumentation. Offered on demand.

220. Discussion Practices 3
Study of the principles of participation in panels, round-tables, symposiums, and forums, with emphasis also upon leadership in these forms. Alternate years.

240. Dance History 3
A survey covering all forms of dance from primitive origins to the present day and its relationship and importance to the society.

241-242. Ballet (intermediate) 2-2
Designed to increase the student's knowledge of ballet by extending his vocabulary of classical movement, with emphasis on the importance of precision and proficiency. (Permission of instructor required.)

243-244. Tap (intermediate) 2-2
Concentration on riffs, pull-backs, wings, turns, and other specific advanced movements. (Permission of instructor required.)

245-246. Jazz (intermediate) 2-2
In-depth exploration of basic jazz movements with emphasis on rhythmic patterns, dynamics, space, and levels. (Permission of instructor required.)

250. Historic Costume for the Stage 3
A survey of dress, style, and design of personal scenic elements for theatrical production. Alternate years.

300. Advanced Public Speaking 3
Prerequisite: 200. Concentrated study in more formal public address, with emphasis on rhetoric, logic, and audience psychology. Alternate years.

302. Advanced Literary Interpretation 3
Prerequisite: 201. Techniques involved in platform reading, with program presentation of prose, poetry, and drama. Alternate years.

303. Acting: Character Development 3
Through work with the dramatic text the student researches and applies philosophies of character development, using techniques of Stanislavski. Alternate years.

305. Stage Lighting and Sound 3
Survey of light and sound for the communicative media. Alternate years.

307. History of the Theatre 3
The development of the theatre from its beginning to 1800, including highlights of great dramatists and their works, and of production. Yearly.

308. History of the Theatre 3
Prerequisite: 307. The development of the theatre from 1800 to the present, including highlights of great dramatists and their works, and of production. Yearly.

309. History of Public Address 3
Survey of the development and influence of oral language from Greek to the present. Alternate years.

310. Communicative Media: Radio 3
An extensive study of the general principles involved in the philosophy and theory of radio communication, with a study of its major areas of operation. Limited enrollment; approval of the Department Chairman is required. Offered alternate years beginning Fall 1979.

312. Communicative Media: Television 3
An extensive study of the general principles involved in the philosophy and theory of television communication, with a study of its major areas of operation. Limited enrollment; approval of the Department Chairman is required. Offered alternate years beginning Fall 1980.

320. Ethnic Dance 2
A survey with practical application and historical/geographical research of certain types of dance related to specific nationalities, i.e. Spanish, Oriental, Greek, etc.

350. Costume Design 3
Prerequisite: 250. Emphasis on design principles and construction. Alternate years.

361-362. Ballet (advanced) 2-2
Concentration on the performance aspects of ballet. Pointe work for women. Adagio and partner work for men. (Permission of instructor required.)

363-364. Tap (advanced) 2-2
Exploration of various styles of jazz dance such as lyrical, rock, and musical comedy varieties with concentration on performance aspects and choreographic uses. (Permission of instructor required.)

365-366. Jazz (advanced) 2-2
Exploration of various styles of jazz dance such as lyrical, rock, and musical comedy varieties with concentration on performance aspects and choreographic uses. (Permission of instructor required.)

370. Choreography and Composition 3
Methods of choreography and dance notation. Emphasis on theoretical and creative concepts. (Permission of instructor required.)

401. Directing I 3
Open only to senior speech or theatre majors. A study of the development of the director and his responsibilities in the theatre, together with a survey of production principles. One-act plays produced by members of the class. Yearly.

402. Directing II 3
Prerequisite: 401. Script analysis and the application of researched theory into practical experience by means of directing scenes, one-acts, and cuttings. Yearly.

403. Seminars 3
Prerequisite: Consent of instructor. Advanced courses arranged for the individual major's requirement. Each semester.

404. Independent Study**1-6**

Prerequisites: Junior or senior standing and consent of instructor. Designed for flexibility, this course is offered to meet the need of the individual student. Examples of projects: writing of a thesis, mounting of a production, development of a course of study, playwriting, research and conference. Each semester.

405. Acting: Styles**3**

Prerequisite: 303. A survey of acting styles in Greek, Medieval, Commedia dell'Arte, Renaissance, Neo-classical, Restoration, Romantic, Realistic, Satire and Epic Theatre and Theatre of the Absurd. Alternate years.

410. Seminar in Dance**1-6**

Advanced courses arranged for the individual needs and interests of the student. (Consent of instructor required.)

420. Independent Study in Dance**1-6**

Prerequisites: Junior or senior standing and consent of instructor. A specific project such as choreographing a musical play, writing a thesis, or presenting a dance concert as a choreographer and/or as a performer.

I-99. Interim Studies**3**

Special topics offered in the January Interim.



Enrichment Opportunities

In keeping with its aim to provide breadth as well as depth in the student's academic experience, Centenary offers a variety of off-campus, exchange, travel, and field study programs. Additional information on any of the following programs may be obtained through the Office of the Dean of the College.

The Centenary/Aarhus Exchange Program

By means of a unique exchange program involving visiting professors as well as students, Centenary students have the opportunity to study at the English Institute of the University of Aarhus, Denmark. Because of this "sister institution" relationship between the two schools, students may earn credit at Centenary for courses completed at the University of Aarhus, without additional tuition and fees beyond those normally paid at Centenary College. Through this arrangement, participating Centenary students are enabled not only to study at a leading European university but also to travel on the continent while living in Denmark. The exchanges between the two institutions take place during the spring semester.



Students Stroll near Aarhus University Campus

British Studies at Oxford Program

Centenary students may also participate in the British Studies at Oxford program during the summer. Each year a different period of Britain's historical and cultural development is studied under the direction of some of England's leading scholars. Students live and study at University College, Oxford, and have the opportunity to travel throughout England. Students who successfully complete this program receive course credit from Centenary.

CODOFIL

Centenary College is a member of the Consortium of Louisiana Universities and Colleges of CODOFIL (the Council for the Development of French in Louisiana). The Consortium sponsors both academic-year and summer study programs at Paul Valéry University in Montpellier, France. Every year one or more \$1000 scholarships for the academic-year program are available to Centenary students who are legal residents of Louisiana. Centenary students who are Louisiana citizens are also eligible to apply for French government scholarships which pay all expenses (except airfare) for the month-long summer program. Academic credit earned through these programs is accepted as "in-residence" semester hours by Centenary.

Oak Ridge Semester

A semester of study and research at Oak Ridge National Laboratory is available to qualified science students through the joint sponsorship of Southern College University Union and the Energy Research and Development Administration. The Oak Ridge semester begins in early January and lasts 16 weeks. The program is open to junior or senior majors in mathematics, chemistry, physics, biology and economics.

Washington Semester Program

Certain selected students are permitted to spend one semester of their junior year at the School of Government and Public Administration of The American University in Washington, D.C. The purposes of the program are to provide an opportunity for students to observe their government in action, to perform individual research under careful supervision, and to exchange ideas with students from many other institutions. Each participating student works

on an individual project selecting three courses to complete his program. Projects and courses are chosen in consultation with the faculty adviser, and full credit for the semester is granted by Centenary.

OTHER EDUCATIONAL RESOURCES

The Center for Economic Education

Centenary College has one of the four Centers in the Louisiana Council for Economic Education. The Louisiana Council is a member of the national Joint Council of Economic Education. The purpose of the Center is to work with the State Department of Education and the Joint Council and the school districts of the area in conducting in-service workshops, training teachers in the teaching of economics. A summer workshop is held each year at Centenary, which gives graduate credit to the participants. Current economic issues are studied as well as the economic principles behind these issues. The Dean of the School of Business is the Director of the Center.

The Center for Management Development

The Center for Management Development at Centenary College conducts seminars of interest to the business community on such topics as Human Relations, Marketing Research Techniques, Plant Safety, and Women in Management, as well as the yearly Supervisory Seminar. The Center also holds training programs for local businesses to assist the development of their employees for advancement. The Dean of the School of Business is the Director of the Center.

The Corporate Campus

Centenary offers off-campus classes for the convenience of those working in the business and industrial centers of Shreveport. This provides employees the opportunity to take coursework immediately following their work day.



The Free Enterprise Conference is an annual event, sponsored by Centenary and the Frost Foundation.

Continuing Education

The Continuing Education Program at Centenary College offers short non-credit courses in the spring and fall to persons in the area who are sixty years of age or older. These courses cover a variety of subjects and are taught by Centenary professors and persons from the business community of Shreveport and Bossier City.

Continuing Education also presents seminars and workshops designed as training for those who work in adult services in the community, and sponsors the annual Deep South School of Alcohol and Drug Studies, held each summer on the Centenary campus.

The English Language Center

The English Language Center of Centenary College is an intensive program designed to provide the language skills and cultural orientation needed by international students who enroll in U.S. colleges and universities.



Senior citizens are offered courses free of charge through the Continuing Education Department.



VII. College Directory

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Office of Admissions

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Director of the English Language Program

Anna V.W. Saterstrom
B.A., Millsaps College

Academic Offices

Weslyn S. Monzingo, Faculty Secretary
B.M., Louisiana State University-Baton Rouge
Florence M. Martin, Secretary, English Department
B.S., Bowling Green University

Office of Church Careers Program (CSCC)

David R. Dykes, Director of CSCC
B.A., Centenary College; B.D., Emory University
Herbert M. Scott, Associate Director
B.A., Millsaps College; B.D., Asbury Theological
Seminary
Bentley Sloane, Coordinator of Pastoral Relations
and Church Placements



Elynor Erickson, Dean of Students

A.B., Centenary College; M.A., Southern Methodist
University; D.D. (Honorary) Centenary Col-
lege

Margie Burns, Secretary

Office of Athletics Programs

Floyd Horgen, Director of Athletics and Men's Golf
Coach

B.A., University of Miami; M.A., Ohio University

James C. Farrar, Men's Baseball Coach

B.S., Louisiana Tech University; M.S., University of
Arkansas, Ed.D., Northwestern State Univer-
sity

Tommy Canterbury, Head Men's Basketball Coach.
B.A., M.A., Louisiana Tech University.

Tommy Vardemann, Assistant Men's Basketball
Coach

B.A., Stephen F. Austin University; M.A., Louisiana
Tech University

A. Bradley McPherson, Women's Basketball Coach
B.S., Southeastern Louisiana College; M.S.,
Louisiana State University; Ph.D., Southern Il-
linois University.

Bob Mead, Cross Country Coach
B.A., Harding College

Vannie Edwards, Women's Gymnastics Coach
B.S. Southeastern Louisiana College

Jimmy Harrison, Men's and Women's Tennis Coach
B.S., M.S., Louisiana Tech University
Nico Van Thyn, Sports Information Director
B.A., Louisiana Tech University
Pat Robertson, Secretary
A.S., Northeast Louisiana University

Computing Center

David E. Thomas, Director
B.S., Southeastern Louisiana University; M.S.,
Ph.D., Tulane University
Sherry Barefield, Manager

Magale Library

James G. Volny, Director of Library Services
B.S., Kent State; M.S.L.S., Western Reserve University
Ella C. Edwards, Reference and Assistant Librarian
B.A., Northwestern State College; M.S., Louisiana State University
C. Shelley Moore, Cataloguer
B.S., M.Ed., University of South Alabama
Anna H. White, Head of Circulation Department
B.A., Louisiana Tech University
Nancy E. Middleton, Head of Acquisitions
B.S., Centenary College
Mary W. Rademacher, Serials and Exchange Assistant
A.L.A. University of Minnesota
Dorothy Hall, Library Aide

Meadows Art Museum

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B.A., Centenary College; M.F.A., Escuela Universitaria des Belles Artes, Mexico
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Marjorie Lyons Playhouse

Robert R. Buseick, Director
B.S., Eastern Oregon College; M.F.A., University of Portland
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B.A., College of Wooster; M.A., Kent State University
The Reverend Charles B. Simmons, Director of Church Relations
B.A., Centenary College; M. Div., Emory University; Certificat Centre Universitaire D'Etudes Ecuméniques; D.Min., Emory University
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Admissions Counselors John Lambert, Nancy Spruell, Andy Shehee



Darrell M. Loyless, Vice President for Development

Business and Finance

Jessie W. Outlaw, Business Manager and Comptroller

B.S., Woodbury College

Harold Bond, Treasurer

B.S., Centenary College

Jane Pearce, Assistant Office Manager

Shirley Copes, Payroll Clerk

Carolyn Delaney, Funds Desk Clerk

B.S., Louisiana State University-Shreveport

Carolyn Sue Bryant, Student's Account Clerk
Cashier

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Coordinator of Conferences

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B.A., Centenary College

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Dorothy F. Landry, Manager

B.S., University of Southwestern Louisiana

David A. Bentley, Assistant Manager

B.S., Louisiana Tech University

Building and Grounds

B.J. Buckner, Superintendent, Physical Plant

O.K. Brock, Assistant Superintendent, Physical Plant

Lewis Jackson, Labor Foreman, Physical Plant

Henry Smith, Assistant Labor Foreman, Physical Plant

C.A. Naquin, Chief, Air Conditioning & Heat, Physical Plant

Earl Womack, Maintenance, Physical Plant

James Flakes, Maintenance, Physical Plant

Ronnie Sears, Maintenance, Physical Plant

Leroy Gafford, Maintenance, Physical Plant

Herbert Reed, Chief, Housekeeping, Physical Plant

David Morrow, Warehouseman, Physical Plant



Blume Johnson, Board of Trustees

Faculty 1979-81

(The date in parentheses indicates the first appointment to the Faculty.)

John Horton Allen *Trustee Professor of Sociology*
B.A., Southeastern Louisiana University, 1949; M.A., Louisiana State University, 1951; Ph.D., Pennsylvania State University, 1955. (1969)

Will K. Andress *Director of Centenary College Choir and Lecturer in Music*
B.M., Centenary College, 1961; B.C.M., Southern Baptist Seminary, 1963; M.M., East Carolina University, 1969; D.M., Florida State University, 1971. (1974)

Mary Beth Arnes *Associate Professor of Music*
B.M., Eastman School of Music, 1963; M.M., Arizona State College, 1966 (Leave of Absence, 1972-73); D.M.A., North Texas State University, 1974. (Leave of Absence, 1978-79) (1970)

Carole Barnes *Lecturer in Business*
B.S., Centenary College, 1971. (1972)

Charles T. Beaird *Adjunct Professor of Philosophy*
B.A., Centenary College, 1966; Ph.D., Columbia University, 1972. (1969)

Lewis A. Bettinger *Associate Professor of Psychology and Chairman of the Department*
B.S., 1962, M.A., 1963, Ph.D., 1966, Ohio State University. (1972)

Robert Bernard Black *Lecturer in Geology*
B.S., Centenary College, 1970; M.S. University of Arkansas, 1975. (1978)

Robert L. Buckner *Lecturer in Music*
B.M., Loyola University, New Orleans, 1952; M.M., Oberlin Conservatory, 1956.

Robert R. Buseick *Associate Professor of Theatre and Speech and Chairman of the Department*
B.S., Eastern Oregon College, 1955; M.F.A., University of Portland, 1964. (1969)

Virginia Carlton *Professor of Mathematics and Chairman of the Department*
B.S., Centenary College, 1939; M.S., Tulane University, 1940; Ph.D., Northwestern University, 1959, (1946-48; 1957)

Constance Carroll *Lecturer in Music*
B.M., University of Arizona, 1957; M.M. Eastman School of Music, 1959. (1969-74; 1979)

Frank M. Carroll *Professor of Music and Dean of the Hurley School of Music*
B.M., Shenandoah Conservatory of Music, 1950; M.M.,

College of Music of Cincinnati, 1952; Ph.D., Eastman School of Music, 1960. (1969-74; 1979)

William Bailey Carter *Lecturer in English*
B.A., Northwestern State University, 1973. (1977)

Carl L. Cathey *Instructor in Geology*
B.S., 1970, M.S., 1973, Texas Tech University; Ph.D., University of Texas at El Paso, 1979. (1979)

B.P. Causey *Professor of Music*
B.A., Northwestern State College, 1939; M.M., Northwestern University, 1954. (1941)

Delbert William Chumley, Jr. *Associate Professor of Business and Accounting Program Coordinator*
B.S., Louisiana Tech University, 1955; M.B.A., Southern Methodist University, 1969; Ph.D., University of Arkansas, 1975. (1976)

Thomas W. Cook *Assistant Professor of Biology*
B.S., 1969, M.S., 1972, Eastern Illinois University; Ph.D., Iowa State University, 1977. (1977)

Phyllis Cooper *Lecturer in Music*
B.S., Crane School of Music of State University of New York at Potsdam, 1946. (1972)

Willard Cooper *Professor of Art and Chairman of the Department*



Earle G. Labor, Associate Dean and Professor of English

- B.A., Centenary College, 1947; M.F.A., Escuela Universitaria des Belles Artes, Mexico, 1949. (1958)
- John T. Cox, Jr. *Lecturer in Business*
B.S., 1965, J.D., 1968, Louisiana State University-Baton Rouge. (1973)
- L. Hughes Cox *Professor of Philosophy and Chairman of the Department*
A.B., Wabash College, 1953; S.T.B., Boston University, 1956; M.A., 1959; Ph.D., 1963, Yale University. (1967)
- Edward J. Crawford, III *Lecturer in English and Foreign Languages*
B.A., The University of the South, 1972; M.A., University of Texas, 1976. (1977)
- Margaret Crawford *Assistant Professor of Physical Education*
B.S., Lindenwood College, 1969; M.S., 1971, Ed.D., 1977, Oklahoma State University. (1978)
- Donald M. Danvers *Assistant Professor of Mathematics*
B.A., 1956, M.A., 1958, Northwestern University. (1960)
- Jerry Wayne Dauterive *Assistant Professor of Business*
B.B.A., Texas Tech University, 1970; Ph.D., Texas Tech University. 1976. (1976)
- Ronald E. Dean *Associate Professor of Music*
B.A., Williams College, 1954; M.M., University of Michigan, 1957. (1960)
- Barbara Law Dowden *Instructor in Business*
B.S., 1964; M.S., 1966, Northwestern State University. (1979)
- Robert G. DuVal *Associate Professor in Accounting*
B.S.B.A., University of Richmond, 1950; M.B.A., University of Chicago, 1951. (1979)
- Mark E. Dulle *Assistant Professor of Psychology*
B.S., 1967, M.S., 1969, Memphis State University; Ph.D., Louisiana State University, 1978. (1969-1974 1977)
- David R. Dykes *Lecturer in Religion*
B.A., Centenary College, 1966; B.D., Emory University, 1974. (1974)
- Robert E. Eatman *Lecturer in Geology*
B.A., Centenary College, 1944; J.D., Louisiana State University, 1949. (1978)
- Ella C. Edwards *Assistant Professor and Assistant Librarian*
B.A., Northwestern State College, 1968; M.S., Louisiana State University, 1973. (1973)
- Vannie Edwards *Instructor in Physical Education*
B.S., Southeastern Louisiana College, 1959. (1964)
- Janet K. Elrod *Lecturer in Education*
B.S., Baylor University; M.A., Louisiana State University-Shreveport, 1977. (1978)
- Donald G. Emler *Assistant Professor of Religion*

- B.A., University of Missouri at Kansas City; M.Div., Garrett Theological Seminary, 1963; Ed.D., Indiana University, 1973. (1976)
- James C. Farrar *Assistant Professor of Physical Education*
B.S., Louisiana Tech University, 1953; M.S. University of Arkansas, 1961; Ed.D., Northwestern State University, 1975. (1977)
- Ginger D. Folmer *Instructor in Dance*
B.A., Centenary College, 1964; M.A., Syracuse University, 1967. (1975)
- James Franklin *Lecturer in Music*
B.M.E., 1962, M.Ed., 1968, Southeastern Louisiana University. (1972)
- Elizabeth Friedenbergl *Adjunct Professor of Art*
A.B., Centenary College, 1955; M.A. Stephen F. Austin State College, 1956; Contemporaries Workshop, Cornell University; Tschachbosov School. (1952)
- Fergal P. Gallagher *Associate Professor of English*
B.A., 1963, M.A., 1964, Ph.D., 1968, University of Wisconsin. (1968)
- Joseph D. Garner *Professor of Education*
B.S., 1949, M.S., 1950, Louisiana State University; Ed.S., Peabody College, 1961; Ed.D., University of Arkansas, 1967. (1967)
- Mark W. Gottlob *Lecturer in Sociology*
B.S., 1970, M.S., 1973, Florida State University. (1973)
- Vickie Neely Gottlob *Associate Professor of French*
B.A., Florida State University, 1969; M.A., Florida State



Alton O. Hancock, Chairman of the Department of History



Arnold Penuel, Associate Professor of Spanish

- University, 1970; Ph.D., Florida State University, 1973. (1973)
- Franz Graef *Lecturer in Classical Languages*
S.T.Lic., Collegium Canisianum, (Innsbruck), 1958; M.A., (Classics), University of Michigan, 1964; S.T.D., University of Innsbruck, Austria, 1971. (1975)
- Dorothy Bird Gwin *Professor of Education and Psychology and Dean of the College*
B.B.A., 1954, M.S., 1955, East Texas State University; Ed.D., University of Kansas, 1958. (1967)
- Betty Brown Haley *Assistant Professor of Physical Education, Chairman of Physical Education Department*
B.S., Northwestern State University, 1963; M.S., Northwestern State University, 1967; Ed.D., Louisiana State University, 1969. (1974)
- Michael Lee Hall *Assistant Professor of English*
B.A., 1968, M.A., 1972, University of Texas at Austin; M.A., 1974, Ph.D., 1976, The Johns Hopkins University. (1976)
- Gary Haller *Assistant Professor of Physics*
B.A., Bowdoin College, 1972; M.S., 1975, Ph.D., 1979, University of Massachusetts. (1979)
- Gary Hallquist *Lecturer in Music*
B.M., Oral Roberts University, 1976; M.M., North Texas State University, 1978. (1978)
- Robert N. Hallquist *Professor of Education and Chairman of the Department*
B.M., New England Conservatory of Music, 1950; M.A., Columbia University, 1959; Ed.D., University of Mississippi, 1968. (1967)

- Alton O. Hancock *Professor of History and Chairman of the Department of History and Government*
B.A., Centenary College, 1954; B.D., 1957, Ph.D., 1962 Emory University. (1964)
- Gaius N. Hardaway *Visiting Professor of Education*
B.S., Centenary College, 1949; M.Ed., University of Arkansas, 1954; Ed.D., University of Mississippi, 1969. (1977)
- Debra E. Hicks *Instructor in Theatre/Speech*
B.A., Centenary College, 1977; M.P.A., Oklahoma City University, 1979. (1979)
- Gail Johnson *Instructor in Music*
B.M., Northwestern University, 1975; M.M., Indiana University, 1977. (1978)
- Joseph Koshansky, Jr. *Instructor in History and Government*
B.A., Eisenhower College, 1974; M.A., University of Tennessee, 1977. (1979)
- Brian W. Kovacs *Associate Professor of Sociology and Religion*
A.B., Case-Western Reserve University, 1965; M.Div., Iliff School of Theology, 1968; Th.D., Iliff School of Theology, 1970; Ph.D., Vanderbilt University, 1978. (1974)
- Earle Labor *Professor of English and Associate Dean of the College*
B.A., 1949, M.A., 1952, Southern Methodist University; Ph.D., University of Wisconsin, 1961. (1955-62; 1966)
- Winnie Lacey *Lecturer in Music*
B.M., Morningside College, 1967; M.F.A., University of Iowa, 1968. (1973)
- Robert Langton *Lecturer in Geology*
B.S., Centenary College, 1969. (1970)
- Carney G. Laslie, Jr. *Adjunct Professor of History and Geography*
B.A., University of Mississippi, 1936; M.A., The American University, 1968. (1972)
- David Lefkowitz, Jr. *Lecturer in Religion*
B.A., University of Cincinnati, 1932; Th.D. Pikes Peak Seminary, 1952. (1978)
- Christine Leonard *Instructor in Business and Economics*
B.A., University of California, 1972; M.B.A., Texas A&M University, 1975. (1976)
- Benjamin Glynn Liles, Jr. *Associate Professor of Biology*
B.A., University of Texas, 1961; Ph.D., University of California-Berkeley, 1969. (1976)
- Walter M. Lowrey *Professor of History*
B.A., 1942, M.A., 1947, Louisiana State University; Ph.D., Vanderbilt University, 1956. (1963)
- Darrell M. Loyless *Associate Professor of Government and Vice President for Development*

- B.S., The University of Texas, 1967; M.A., East Texas State University, 1968; Ph.D., The American University, 1975. (1968-70; 1973)
- George E. McGovern, III *Instructor in Business*
B.A., Louisiana State University, Baton Rouge, 1971;
MBA, Mississippi State University, 1974. (1977)
- Janet McKinney *Lecturer in Music*
B.F.A., University of South Florida, 1976; M.M.,
Northwestern University, 1978. (1978)
- A. Bradley McPherson *Associate Professor of*
Biology and Chairman
of the Department
B.S., Southeastern Louisiana College, 1960; M.S.,
Louisiana State University, 1967; Ph.D., Southern Il-
linois University, 1971. (1971)
- Judy Melson *Lecturer in Music*
B.M.E., Northeastern Louisiana State University, 1972;
M.M.E., Northwestern Louisiana State University,
1974. (1976)
- Thomas J. Mitchell *Lecturer in English*
B.A., Colorado State University, 1973. (1977)
- Ira Lee Morgan *Professor of English*
and Chairman of the Department
B.A., Hendrix College, 1949; M.A., University of Ten-
nessee, 1950; Ph.D., University of Florida, 1954. (1954)
- Douglas W. Morrill *Assistant Professor*
of Economics
A.B., Oberlin College, 1938; A.M., University of
Chicago, 1940; Ph.D., Indiana University, 1976. (1977)
- Barry N. Nass *Assistant Professor*
of English
A.B., 1974; A.M., 1976; Ph.D., 1978, Princeton Univer-
sity. (1978)
- Edmond M. Parker *Lecturer in Engineering*
B.S., Southeastern Oklahoma State College, 1946; M.S.,
East Texas State University, 1950. (1947)
- Arnold M. Penuel *Associate Professor of*
Spanish and Chairman of the
Department of Foreign Languages
B.A., University of Tennessee, 1958; M.A., University
of the Americas, 1963; Ph.D., University of Illinois,
1968. (1972)
- Webb D. Pomeroy *T.L. James Professor*
of Religion
B.A., Centenary College, 1944; B.D., Union Theologi-
cal Seminary, 1946; Ph.D., University of Edinburgh,
1953. (1953)
- Craig Pratt *Lecturer in Music*
B.M.E., Northwestern Louisiana State University,
1972. (1977)
- Judy Reynolds *Lecturer in Music*
B.M.E., 1972; M.M.E., 1973, Southwestern Oklahoma
State University. (1976)
- Robert B. Reynolds *Professor of Music*
B.M., Oklahoma State University, 1950; M.M., Univer-
sity of Oklahoma, 1952; D.M., Indiana University, 1961.
(1976)



Rosemary Seidler, Professor of Chemistry

- Donald Rupert *Professor of Music*
B.M., 1953, M.M., 1956, A.M.D., 1962, Eastman School
of Music. (1971)
- Stanley Savant *Lecturer in Music*
B.M.E., 1971, M.M.E., 1973, Northwestern State Uni-
versity of Louisiana. (1973)
- Herbert M. Scott *Lecturer in Religion*
B.A., Millsaps College, 1962; B.D., Asbury Theological
Seminary, 1966. (1974)
- Rosemary Seidler *Professor of Chemistry*
B.S., Loyola University, 1961; Ph.D., Tulane Univer-
sity, 1966. (1966)
- Nolan G. Shaw *William C. Woolf*
Professor of Geology and Chairman of the Department
A.B., Baylor University, 1951; M.S., Southern
Methodist University, 1956; Ph.D., Louisiana State
University, 1966. (1955)
- John F. Shenaut *Lecturer in Music*
B.M., American Conservatory of Music, 1938; M.M.,
University of Michigan, 1940. (1948)
- Betty McKnight Speairs *Associate Professor*
of Mathematics
A.B., 1946, M.A., 1947, Southern Methodist University.
(1947)
- Wendell Barry Stevens *Lecturer in Art*
B.F.A., Richmond Professional Institute, 1968; M.F.A.
Virginia Commonwealth University, 1970. (1978)
- J. David Stone *Lecturer in Religion*
B.S., La. Tech University, 1960; M.A., Scarritt College,
1964. (1974)

- B. Lee Sutton *Lecturer in Art*
B.A., 1951, B.I.D., 1951, Oklahoma State University.
(1964)
- Robert Ed Taylor *Associate Professor of Religion,*
Chairman of the Department and
Chaplain of the College
B.A., Centenary College, 1952; B.D., 1955, S.T.M.,
1970, Southern Methodist University. (1961)
- Stanton A. Taylor *Professor of Chemistry*
and Chairman of the Department
B.S., Northwestern University, 1949; M.S., Iowa State
University, 1955; Ph.D., University of Oklahoma, 1965.
(1961)
- William C. Teague *Professor of Music*
B.M., Curtis Institute of Music, 1948. (1948)
- David E. Thomas ... *Director of the Computing Center*
Assistant Professor in Mathematics
B.S., Southeastern Louisiana University, 1969; M.S.,
Tulane University, 1973; Ph.D., Tulane University,
1974. (1974)
- Bailey Thomson *Lecturer in History*
B.A., 1972; M.A., 1974, University of Alabama. (1979)
- Sue R. Towery *Lecturer in Education*
B.S., Centenary College, 1974. (1978)



Edmond M. Parker, Professor Emeritus of Engineering and
Physics

- Jeffrey F. Trahan *Associate Professor of Physics*
B.S., Tulane University, 1963; M.S., 1969, Ph.D., 1972,
Louisiana State University. (1972)
- Hugh E. Urbantke *Professor of Business*
and Economics, Dean, School
of Business Director, Center for
Management Development Director,
Center for Economic Education
B.B.A., University of Houston, 1948; M.B.A., Univer-
sity of Houston, 1957; Ph.D., University of Houston,
1966. (1975)
- Charles E. Vetter *Associate Professor of Sociology*
and Chairman of the Department
B.A., Southwestern University, 1961; M.A., North
Texas State University, 1965; Ph.D., North Texas State
University, 1975. (1970-73; 1975)
- James G. Volny *Associate Professor and*
Director of Library Services
B.S., Kent State, 1953; M.S.L.S., Western Reserve Uni-
versity, 1963. (1977)
- Alvin C. Voran *Consultant in Choral Music*
A.B., McPherson College, 1928; B.M., Chicago Conser-
vatory of Music, 1932; Mus.D., McPherson College,
1957. (1937)
- Hon. Joe D. Waggonner *Visiting Professor*
of Government
B.A., Louisiana Tech University, 1941. (1979)
- Robert Johnson Watts *Associate Professor of*
German and Registrar
A.B., 1946, A.M., 1949, Duke University. (1965)
- Lynda A. Weems *Lecturer in English*
B.A., 1967, Louisiana State University; M.A., Louisiana
State University, 1972. (1972)
- Jerome L. Wells *Lecturer in Music*
B.M., Centenary College, 1974; M.M., University of
Michigan, 1976. (1977)
- Warren N. White *Gus S. Wortham*
Professor of Engineering
B.S., Louisiana State University, 1946; M.S., Southern
Methodist University, 1954; Ph.D., Tulane University,
1975. (1976)
- Lidia Wilson *Lecturer in Italian*
B.A., Centenary College, 1977. (1978)
- Jack E. Zahm *Lecturer in Business*
B.B.A., Canisius College, 1953; M.B.A., Louisiana Tech
University, 1976. (1977)
- Robert C. Zawalski *Assistant Professor of*
Chemistry
B.S., Clarkson College of Technology, 1970; Ph.D.,
University of Georgia, 1976. (1979)

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Karl-Heinz Westarp	Cand. Mag. (Aarhus) Lector
Jorn Carlsen	Cand. Mag. (Aarhus) Lector
Donald Hannah	M.A., Ph.D (Nottingham) Professor
Anders Iversen	Cand. Mag. (Aarhus) Lector

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 Lord Caradon
 F. William McCalpin
 William Dyal
 Eugene Beem



President Webb and the Rev. Robert Ed Taylor, Chaplain, march in academic procession at the President's Convocation.



Professors Emeriti W. Ferrell Pledger, the late Edward Murray Clark, and Elmer Lee Ford

Professors Emeriti

Theodore T. Beck *Professor Emeritus of French*
A.B., 1928; M.A. University of Georgia, 1940; Ph.D.,
Louisiana State University, 1961. (1961-73)

Elmer Lee Ford *Professor Emeritus of*
Foreign Languages
A.B., 1915, M.A., 1916. Howard College; Docteur De
L'Universite de Lyon, 1927. (1929-61)

Monas Harlan *Professor Emeritus of Music*
B.M., Westminster College, 1938; M.M., University of
Southern California, 1950; graduate study at the Juil-
liard School of Music. (1959-1977)

Charles A. Hickcox *Professor Emeritus of*
Geography and Geology
B.S., Middlebury College, 1934; M.S., University of
Oklahoma, 1939. (1946-75)

Otha King Miles *Professor Emerita of Education*
and Psychology
B.A., Centenary College, 1931; M.A., 1932, Ph.D., 1942,
University of Texas. (1943-60)

Edmond M. Parker *Professor Emeritus of*
of Engineering Sciences
B.S., Southeastern Oklahoma State College, 1946; M.S.,
East Texas State University, 1950. (1947-72)

Woodrow W. Pate ... *Professor Emeritus of Economics*
A.B., Henderson State College, 1936; M.A., Louisiana
State University, 1938; Ph.D., University of North
Carolina, 1949. (1949-1977)

W. Ferrell Pledger *Professor Emeritus of Religion*
and Sociology

B.A., Southwestern University, 1935; M.A., Southwest-
ern University, 1936; B.D., Duke University, 1937;
Ph.D., Hartford Seminary Foundation, 1944. (1953-75)

Frances Mary Perkins Rabun *Professor Emerita*
of Music

B.A., 1944, B.M., 1947, Centenary College; M.M.,
Chicago Musical College, 1947. (1947-76)

Viva L. Rainey *Professor Emerita of History*
and Government

B.A., 1934, M.A., 1947, University of Chicago; Ph.D.,
University of Madrid, 1961. (1964-1978)

Fariebee P. Self *Professor Emerita of*
Mathematics

A.B., Northwestern State College, 1928; M.A.,
Louisiana State University, 1940. (1946-74)

Alvin C. Voran *Professor Emeritus of*
Choral Music

A.B., McPherson College, 1928; B.M., Chicago Conser-
vatory of Music, 1932; Mus.D., McPherson College,
1957. (1937-72)

Mary Warters *Professor Emerita of Biolgoy*
A.B., Shorter College, 1923; M.A., The Ohio State Uni-
versity, 1925; Ph.D., University of Texas, 1943.
(1927-71)

Scholarships

Endowed Scholarships and Annual Gift Awards are listed below:

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The G.M. Anderson Scholarship. For student choir members in need.

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The Martha Cappel Memorial Scholarship. For outstanding students in financial need.

The Centenary School of Church Careers Scholarship. For full-time students accepted into the Centenary School of Church Careers program.

The Centenary Women's Club Scholarship. For an outstanding student in need of financial assistance who must maintain a 3.0 grade point.

The Commercial National Bank Scholarship. For children of employees of the Commercial National Bank of Shreveport.

The Clarence Coon Scholarship. For students of high academic standing enrolled in the journalism program and majoring in English.

The Howard L. Daughenbaugh Memorial Scholarship. For young women interested in careers in Christian Education and full-time Christian service.

The Bryant Davidson Memorial Scholarship. Preference given to needy student interested in philosophy.

The J.A. Davis Scholarship. For worthy students in need of financial assistance who rank high scholastically.

The Howard M. Elder Memorial Scholarship. For an entering freshman student affiliated with the Methodist Church. Preference given to education majors.

The Peggy Jean Elia Scholarship. For deserving student in need of financial assistance.

The John B. Entrikin Scholarship. For a promising junior or senior majoring in chemistry with need for financial assistance.

The Ernest & Grace Ferguson Scholarship. For worthy students in need of financial assistance.

The Margaret W. Flournoy Scholarship. For worthy students in need of financial assistance.

The Dr. A.M. Freeman Scholarship. For a worthy Black student in need of financial assistance.

The Katherine J. French Memorial Scholarship. For a woman student of outstanding ability, majoring in English and intending to teach.

The Frost Foundation Scholarship. For business majors of superior academic ability who must maintain a 3.0 grade point.

The James Hill Fullilove Memorial Scholarship. For ministerial students in need of financial assistance.

The E.B. Germany Scholarship. For worthy students in need of financial assistance.

The Government Department Scholarship. For students majoring in government.

The Randy Greve Memorial Scholarship. For a student of high scholastic standing in need of financial assistance.

The David Philip Hamilton Scholarship. For worthy students majoring in science in need of financial assistance.

The James M. Hanson Scholarship. For worthy students in need of financial assistance.

The Dean Hardin Memorial Scholarship. For worthy students in need of financial assistance.

The Chemistry Department Scholarship. For outstanding chemistry majors.

The T.C. & L.C. Clanton Memorial Scholarship. For an outstanding ministerial student scholastically worthy and in need of financial assistance.

The Reginald H. Hargrove Memorial Scholarship. For a scholastically outstanding student in financial need.

The Harmon Memorial Scholarship. For students of high scholastic standing in need of financial aid.

The Mamie B. Hicks Scholarship. For piano students preferably from North Louisiana.

The David Franklin Hinton Memorial Scholarship. For an outstanding student majoring in biology or another pre-med subject.

The Amanda Howell Memorial Scholarship. For needy students of high scholastic standing.

The Ed E. & Gladys Hurley Scholarship. For worthy students in need of financial assistance, awarded by the Dean of the School of Music.

The Charles Moore Hutchinson Memorial Scholarship. For students in need of financial assistance.

The James T. Jones Memorial Fund. For worthy students in need of financial assistance with preference given to handicapped students.

The Jesse H. & Mary Gibbs Jones Scholarship. For worthy students in need of financial assistance.

The Joseph H. & Julia B. Jordan Scholarship. For students of high scholastic standing in need of financial assistance, with preference given to ministerial students.

The Junior Chamber of Commerce Scholarship. For the winner and top runners-up of the Miss Shreveport Pageant.

The Mr. & Mrs. J.R. Kavanaugh Scholarship. For worthy students in need of financial assistance.

The Lonnie B. & Nellie P. Kilpatrick Memorial Scholarship. For assistance to worthy students; first consideration being given to members of the families of employees of Kilpatrick Life Insurance Company of Louisiana and Kilpatrick's Rose-Neath Funeral Home, Inc.

The Joe O. & Edwin R. Lambert Memorial Scholarship. For ministerial students in need of financial assistance.

The Philip Lieber-First Federal Savings and Loan Association Scholarship. For students majoring in economics or business with high scholastic achievement.

The Louisiana Land and Exploration Scholarship. For students in need of financial assistance and of high scholastic achievement in the field of geology.

The J.S. McConathy Scholarship. For worthy students in need of financial assistance.

The Bruce McMillan, Jr. Foundation Scholarship. For full-time students in need of financial assistance with high scholastic achievement.

The Helen & Mark C. Magers Scholarship. For worthy students in need of financial assistance, with first preference given to Methodist ministerial students.

The Tom Matheny Scholarship. For students of high academic caliber.

The Joe Mickle Scholarship. For worthy students.

The May Meadows Ministerial Scholarship. For worthy ministerial students of high scholastic standing, first consideration given to students from the Ruston District.

The Richard Alan Millar Scholarship. For worthy students in need of financial assistance.

The Hattie Lee Monkhouse Mellor Memorial Scholarship. For residents of Louisiana who maintain a "B" average and need financial assistance.

The Edwin Moor Scholarship Fund.

The Music Department Scholarship. For students majoring in music.

The Louis Leon Noel Trust Scholarship. For worthy students in need of financial assistance.

The John G. O'Brien Scholarship. For worthy students.

The Mae B. O'Brien Scholarship. For a worthy student in the field of music, awarded by the Dean of the School of Music.

The Melanie Jean Perot Memorial Scholarship. For a woman student in need of financial assistance who is working her way through college.

The William G. Phelps Memorial Scholarship. For a worthy student in need of financial assistance. Preference given to members of the Shreveport Broadmoor Methodist Church.

The Thomas A. Pitt Memorial Award in Bible. For an outstanding student of the Bible.

The Dr. W. Ferrell Pledger Honors Award in Sociology. For senior sociology major with highest GPA at graduation.

The G.W. Pomeroy Scholarship. For worthy students in need of financial assistance.

The Presser Foundation Scholarship. For an outstanding music major, preferably one who plans to teach.

The Reader's Digest Foundation Scholarship. For worthy students in need of financial assistance.

The Bell Ringgold Memorial Scholarship. For Louisiana students training to become teachers, with preference to students from Caddo Parish.

The Minnie K. Ringgold Memorial Scholarship. For a student in the School of Music in need of financial assistance.

The Peggy Rountree Memorial Scholarship. For an outstanding student in need of financial assistance.

The Saint Mark's Episcopal Church Scholarship. For deserving students, preference given to organ students.

The Seagull Association Geological Scholarship. For worthy freshman geology student with financial need.

The Selber Brothers Scholarship. For a student of high scholastic standing studying toward a baccalaureate degree in business.

The J.C. Sensintaffar Memorial Scholarship. For students from specified districts of the Louisiana Methodist Conference.

The Shell Assist Scholarship Grant. For a worthy student majoring in biology.

The R.E. Smith Award Fund. For an outstanding ministerial student.

The Rosa & Newton Smith Scholarship. For worthy students preference given to Black ministers working toward a degree.

The Mary Morel Steinau Memorial Scholarship. For a worthy student.

The Stewart Memorial Scholarship. For ministerial students.

The Maurice Tatum Scholarship. For worthy students in need of financial assistance.

The Dr. & Mrs. B.C. Taylor Scholarship. For students of outstanding scholastic achievement and in need of financial assistance.

The John O. Thompson Scholarship. For worthy students in need of financial assistance.

The William Tyrrell Scholarship. For worthy students with preference given to Afro-American students and students who demonstrate academic potential.

The United Methodist Scholarship. For active members of the United Methodist Church with high scholastic standing. A 3.0 grade point must be maintained.

The Universal Oil Products Scholarship. For upper class chemistry majors.

The E. Bernard Weiss Scholarship. For worthy students with preference given to pre-med students.

The Nena Plant Wideman Piano Scholarship. For incoming freshmen students required to play three numbers from three different periods in music history.

The Youree Scholarship Fund. For worthy or needy student.



ACADEMIC CALENDAR 1979-80

Fall Semester, 1979

Pre-registration		
Faculty Conference	9:00 a.m.-4:30 p.m.	Aug. 24
Dorms open for new students	10:00 a.m.	Aug. 25
Orientation		Aug. 25-26
Dorms open for returning students	1:00 a.m.	Aug. 26
New student advising	8:30 a.m.-4:30 p.m.	Aug. 27
Registration	8:30 a.m.-4:00 p.m.	Aug. 27-28
Class work begins	8:20 a.m.	Aug. 29
Labor Day Holiday		Sept. 3
Last day for enrolling or changing sections		Sept. 14
Mid-semester grades due	Noon	Oct. 19
Last day for dropping courses or changing enrollment status		Oct. 26
Thanksgiving recess begins	2:10 p.m.	Nov. 21
Thanksgiving recess ends	8:20 a.m.	Nov. 26
Pre-registration		Nov. 27-Dec. 5

Dead Week		Dec. 3-7
Classwork ends		Dec. 7
Semester examinations		Dec. 10-14
Dorms close		Dec. 15

Interim, 1980

Interim registration		Sept. 4-Nov. 21
Dorms open		Jan. 6
Class work begins		Jan. 7

Last day for enrolling or changing sections		Jan. 10
Last day for dropping courses		Jan. 17
Class work ends		Jan. 25
Interim grades due	Noon	Feb. 8

Spring Semester, 1980

Dorms open	10:00 a.m.	Jan. 27
Registration	9:00 a.m.-3:30 p.m.	Jan. 28
Class work begins	8:20 a.m.	Jan. 29

Last day for enrolling or changing sections		Feb. 5
Mid-semester grades due	Noon	Mar. 21
Last day for dropping courses or changing enrollment status		Mar. 28

Spring recess begins	2:10 p.m.	Mar. 28
Spring recess ends	8:20 a.m.	Apr. 8
Pre-registration		Apr. 22-May 1
Dead Week		May 8-13
Classwork ends		May 13
Free Day		May 14
Semester Exams		May 15-20
Baccalaureate and commencement		May 18
Dorms close		May 21

Summer Session 1980

Dorms open	10:00 a.m.	June 8
Registration	8:30 a.m.-4:00 p.m.	June 9
Four week courses meeting 1 hr 55 min daily		(A) June 10-July 7 (B) July 8-Aug. 1
Eight week courses meeting 55 min daily		June 10-Aug. 1
Nine week courses		June 10-Aug. 8

Last day for enrolling or changing sections		June 13
June 10-July 7 courses		July 11
July 8-Aug. 1 courses		
eight and nine week courses		June 17
Independence Day Holiday		July 4

Last day for dropping courses or changing enrollment status		June 18
June 10-July 7 courses		July 16
July 8-Aug. 1 courses		
eight & nine week courses		June 26
Dorms close	5:00 p.m.	Aug. 2

Year-at-a-glance Calendars 1979-80

JANUARY	MAY	SEPTEMBER
SMTWTFS	SMTWTFS	SMTWTFS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
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MARCH	JULY	NOVEMBER
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JANUARY	MAY	SEPTEMBER
SMTWTFS	SMTWTFS	SMTWTFS
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APRIL	AUGUST	DECEMBER
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ACADEMIC CALENDAR 1980-81

Fall Semester, 1980

Pre-registration		
Faculty Conference	9:00 a.m.-4:30 p.m.	Aug. 22
Dorms open for new students	10:00 a.m.	Aug. 23
Orientation		Aug. 23-24
Dorms open for returning students	10:00 a.m.	Aug. 24
New student advising	8:30 a.m.-4:30 p.m.	Aug. 25
Registration	8:30 a.m.-4:00 p.m.	Aug. 25-26
Class work begins	8:20 a.m.	Aug. 27
Labor Day Holiday		Sept. 1
Last day for enrolling or changing sections		Sept. 12
Mid-semester grades due	Noon	Oct. 17
Last day for dropping courses of changing enrollment status		Oct. 24
Pre-registration		Nov. 17-25
Thanksgiving recess begins	2:10 p.m.	Nov. 26
Thanksgiving recess ends	8:20 a.m.	Dec. 1
Dead Week		Dec. 1-5
Classwork ends		Dec. 5
Semester examinations		Dec. 8-12
Dorms close		Dec. 13

INTERIM, 1981

Interim registration		Sept. 2-Nov. 26
Dorms open		Jan. 4
Class work begins		Jan. 5
Last day for enrolling or changing sections		Jan. 8
Last day for dropping courses		Jan. 15
Class work ends		Jan. 23
Interim grades due	Noon	Feb. 6

Spring Semester, 1981

Dorms open	10:00 a.m.	Jan. 25
Registration	9:00 a.m.-3:30 p.m.	Jan. 26
Class work begins	8:20 a.m.	Jan. 27
Last day for enrolling or changing sections		Feb. 3
Mid-semester grades due	Noon	Mar. 20
Last day for dropping courses or changing enrollment status		Mar. 27
Spring recess begins	2:10 p.m.	Apr. 10
Spring recess ends	8:20 a.m.	April 21
Pre-registration		April 22-30
Dead Week		May 7-12
Class work ends		May 12
Free Day		May 13
Semester examinations		May 14-19

Baccalaureate and commencement
Dorms close

May 17
May 20

Summer Session, 1981

Dorms open	10:00 a.m.	May 31
Registration	8:30 a.m.-4:00 p.m.	June 1
Four week courses meeting 1 hr 55 min daily		(A) June 2-26 (B) June 29-July 24
Eight week courses meeting 55 min daily		June 2-July 24
Nine week courses		June 2-July 31
Independence Day Holiday		July 6
Last day for enrolling or changing sections		June 5
June 2-June 26 courses		July 3
June 29-July 24 courses		
eight and nine week courses		June 9
Last day for dropping courses or changing enrollment status		
June 2-June 26 courses		June 10
June 29-July 24 courses		July 8
eight and nine week courses		
Dorms close	5:00 p.m.	June 18 July 25

Year-at-a-glance Calendars 1981-1982

JANUARY	MAY	SEPTEMBER
S M T W T F S	S M T W T F S	S M T W T F S
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
FEBRUARY	JUNE	OCTOBER
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MARCH	JULY	NOVEMBER
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JANUARY	MAY	SEPTEMBER
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FEBRUARY	JUNE	OCTOBER
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MARCH	JULY	NOVEMBER
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APRIL	AUGUST	DECEMBER
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Visitors are welcome at Centenary College. The Office of Admissions is open from 8:30 a.m. until 4:00 p.m. on weekdays. Visitors should write or telephone well in advance for appointments during these hours. Special appointments may also be made in advance for Saturday mornings.

The Centenary campus is located two miles south of downtown Shreveport. The Shreveport International Airport has regularly scheduled flights on Delta, Frontier and Royale Airlines. Intercity bus transportation is provided by Trailways Intercity Bus System; intra city bus transportation, by the Sportran Transit System.

For further information write to the director of admissions:

Centenary College
P.O. Box 4188
Shreveport, Louisiana 71104

The telephone number of the Office of Admissions is: 318/869-5131

CENTENARY COLLEGE OF LOUISIANA

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